

18-19

9

One day Workshop on PC Assembly and maintenance

About the College

S.R & B.G.N.R Government Arts and Science College was established in 1956 to cater the Educational needs of the Rural and Backward areas in and around Khammam town. Since Khammam is semi-urban area and is located aimed a commercially and industrially potential area, the college felt the need for introducing novel and Job Oriented Restructured courses to attend the demand of the day and the society.



About the Department

S.R & B.G.N.R Government Arts and Science College, Khammam has introduced the Computer Course in the year 1997 with B.Sc Mathematics, Physics and Computer Science combination. In the immediately successive year, i.e,(1998-1999) computer course with B.A and B.Com classes also was introduced. Since then there has been a steady and evident development of the department. Currently the Courses are B.Sc (Phy. Sci.) as MPCS, MCCS, MSCS, MECS, B.Com (CA), B.A(CA) and B.Sc (Life Sci. with CA).

About the Workshop

"PC Assembly and Maintenance" Workshop will be held at SR & B.G.N.R GOVT. ARTS & SCIENCE COLLEGE(Autonomous), Khammam, Telangana India, on 4th, November 2019. The aim of the workshop PC Assembly and Maintenance is to provide the skills mechanism to the students for learning the process in which all the internal components required for the for the computer system, understand and follow the basic safety precautions while handling tools & equipment during the installation process. The workshop is to meet new challenges, collect new ideas and exhibit it as a practice during the session.



ONE DAY WORKSHOP

On

"PC ASSEMBLY AND MAINTAINANCE"

On

4TH NOVEMBER, 2019

Organized By

DEPARTMENT OF COMPUTER SCIENCE & APPLICATIONS

SR & B.G.N.R GOVT. ARTS & SCIENCE COLLEGE

AUTONOMOUS

KHAMMAM

Under

STUDENT DEVELOPMENT PROGRAM

(To cultivate Student Learning and development by supporting Students in their Academic, Personal and Social Growth)

Resource Person

M.SREENTVASA RAO, M.C.A, M.Phil

DEPARTMENT OF COMPUTER SCIENCE & APPLICATIONS

SR & B.G.N.R GOVT. ARTS & SCIENCE COLLEGE(A), KHAMMAM

VENUE

Room No: 208, COMPUTER LAB3



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PRINCIPAL

S.R. & B.G.N.R. Govt. Arts &
Science College (NAAC-B++)
Autonomous-KHAMMAM

Memory Modules

Insert the memory modules on the motherboard by aligning the RAM to its socket on the motherboard and press it downward. Make sure the side tabs are fixed into the RAM notch. If not, press a bit.

External Cards

Insert the external cards into its socket and attach the cables or power cable to it. The selection of right external cards should be as per the type of socket.

After inserting it and pressing towards front side and screw it.

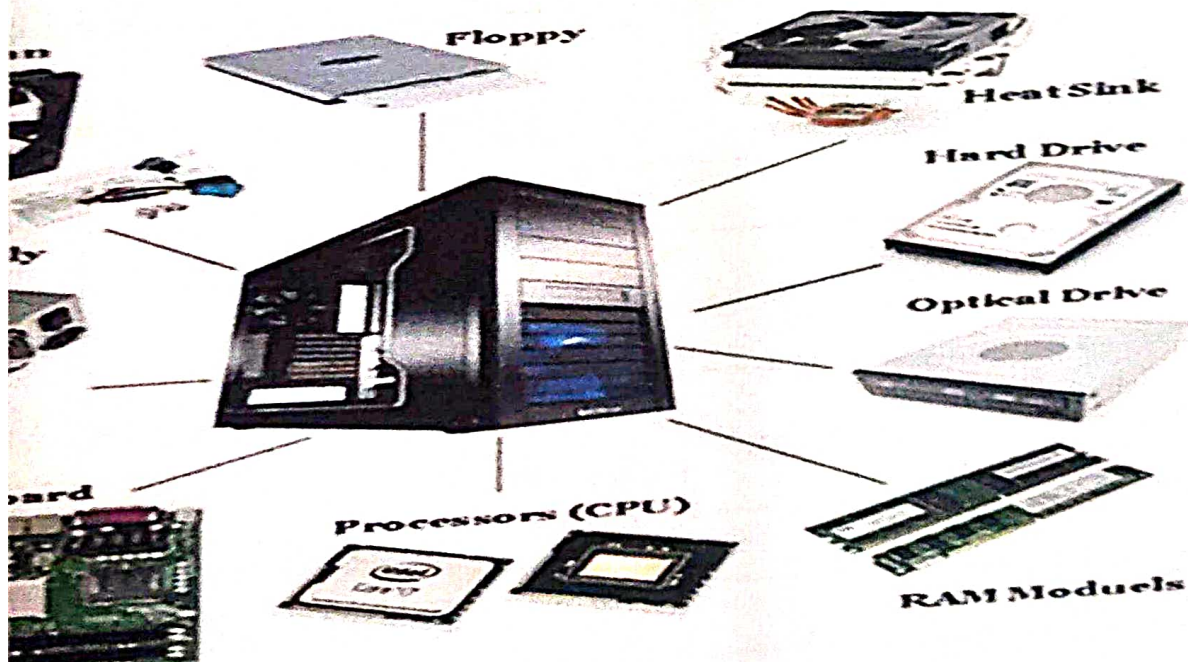
External Devices and Power

Connect external devices with CPU at its appropriate socket. It includes mouse and keyboard at PS2 ports, monitor at the video output socket. Connect the power cable to the back of tower in the power cable to the electric board.

Check for spyware and malware and make sure the computer hard drive is operating properly. Recognize these facts and install security programs like Norton, McAfee, or Symantec.

Install a good security program on your computer, it is necessary to do other things if you want your computer to run efficiently with no unexpected "crashes" or long boot-up times. Install a program that would take care of essential computer maintenance.

One such program is Advanced System Care 15 which can be downloaded for free. This program repairs errors for 12 essential items for daily computer maintenance. The 12 items include spyware threats; registry errors; privacy issues; junk files; disk errors; disc optimization issues; registry fragments; performance issues; and security holes.





**SR & BGNR GOVT. ARTS & SCIENCE COLLEGE(A),
Khammam**

Department of Computer Science & Applications is
organizing the following event.

Name of the Event: Workshop

Date: 04-11-19

Venue: Computer Lab

Topic: Workshop on PC Assembly and maintenance

How to Assemble a Computer

The assembling of the computer system is exactly the opposite of disassembling operation. Before starting assembling the computer system, make sure you have the screws and a screwdriver for those.

Step 1: Mount the Processor

The first step for assembling the computer system starts with mounting the processor on the processor socket of the motherboard. To mount the process, you don't need to apply any force. The special ZIF (zero insertion force) sockets are usually used to prevent any damage to the processor pins. Once the processor is mounted, the heat sink will be attached on top of the processor. The CPU fan is also attached on top of the heat sink.

Step 2: Fix the Motherboard in the Tower Case

Now the motherboard is to be fixed vertically in the tower case and the screws are fixed from behind of the motherboard.

Step 3: Connect the Power Supply

Now line up the power supply at the top back end of the cabinet and screw it. The power connectors for motherboard power supply and CPU fan power supply are to be connected. If the cabinet cooling FAN is required then it is to be screwed at the back end grill of the cabinet and its power connector is to be connected from SMPS.

Step 4: Install the Drives

Install the CD/DVD drives at the top front end of the cabinet and screw it. Install the Hard disk drive and floppy disk drive below CD/DVD drive and screw it. Make sure once screwed there is no vibration in either of the CD/DVD, hard disk or floppy disk drives.

Step 5: Connect Cables

Now select the appropriate data cable and connect one end of the cable to its drive socket and another end at its appropriate connector on the motherboard. For SATA hard disk drive or CD/DVD drives use SATA cable and its power cable, else use IDE data cable. Do the proper jumper settings as per the usage requirement.

Step 6: Mount the Memory Modules

It is time now to mount the memory modules on the motherboard by aligning the RAM to its socket on the motherboard and press it downward. Make sure the side tabs are fixed into the RAM notch. If not, you may still have to press a bit.

Step 7: Install the Internal Cards

Install the internal cards to its socket and attach the cables or power cable to it. The selection of right socket or slot is required as per the type of socket.

Step 8: Cover the Tower

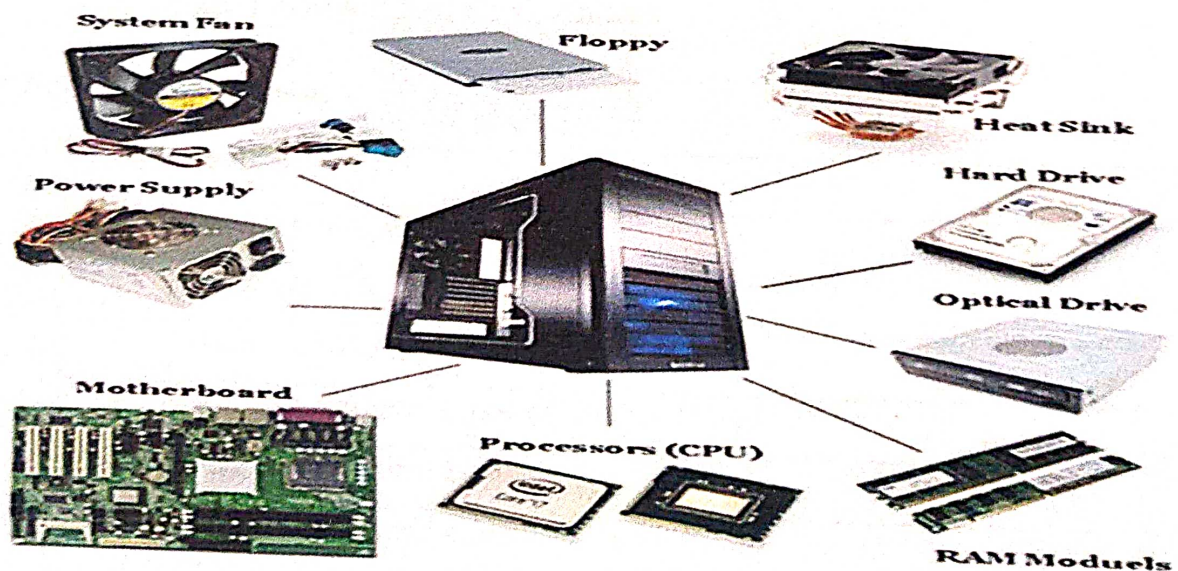
Cover the tower by placing it and pressing towards front side and screw it.

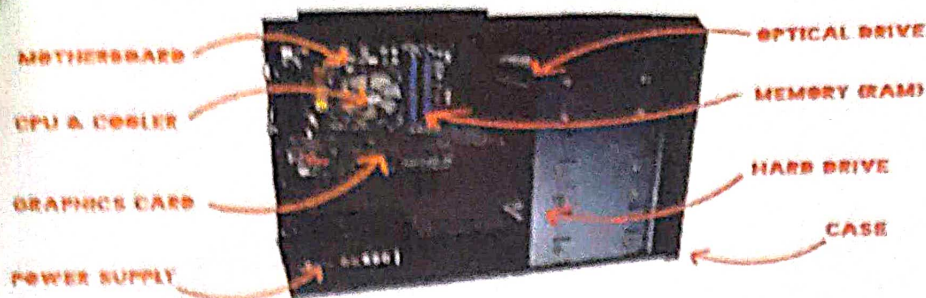
Step 9: Connect the External Devices and Power

Connect the external devices with CPU at its appropriate socket. It includes mouse and keyboard at PS2 or USB connectors. Monitor at the video output socket. Connect the power cable to the back of tower in SMPS. Plug in the power cable to the electric board.

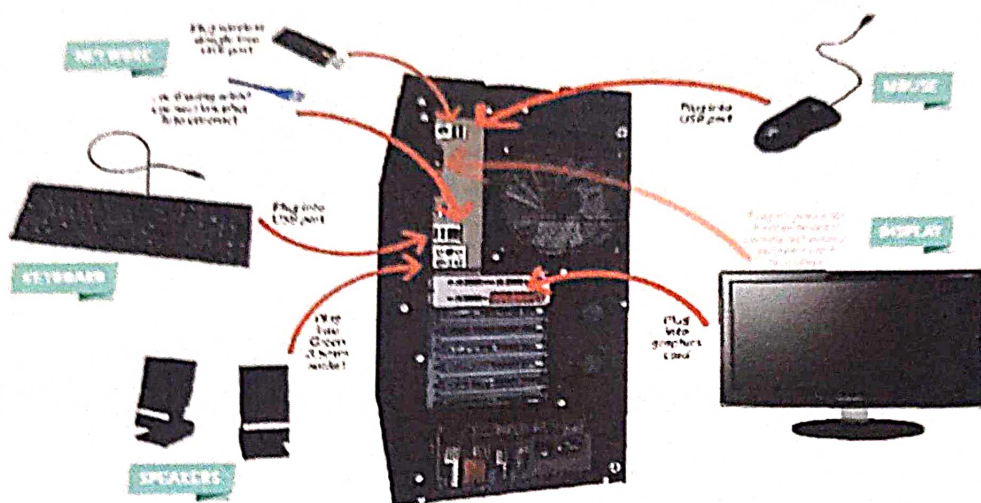
Computer Maintenance

- It is necessary to check for spyware and malware and make sure the computer hard drive is operating efficiently. Most people recognize these facts and install security programs like Norton, McAfee, or Kaspersky on their computers.
- In addition to installing a good security program on your computer, it is necessary to do other things if you want your PC to run efficiently with no unexpected "crashes" or long boot-up times. Install a program on PC which would take care of essential computer maintenance.
- The name of the program is Advanced System Care 15 which can be downloaded for free. This program scans for and repairs errors for 12 essential items for daily computer maintenance. The 12 items addressed in the program include spyware threats; registry errors; privacy issues; junk files; internet problems; shortcut errors; disc errors; disc optimization issues; registry fragments; performance issues; browser security issues; and security holes.





Connecting Peripherals

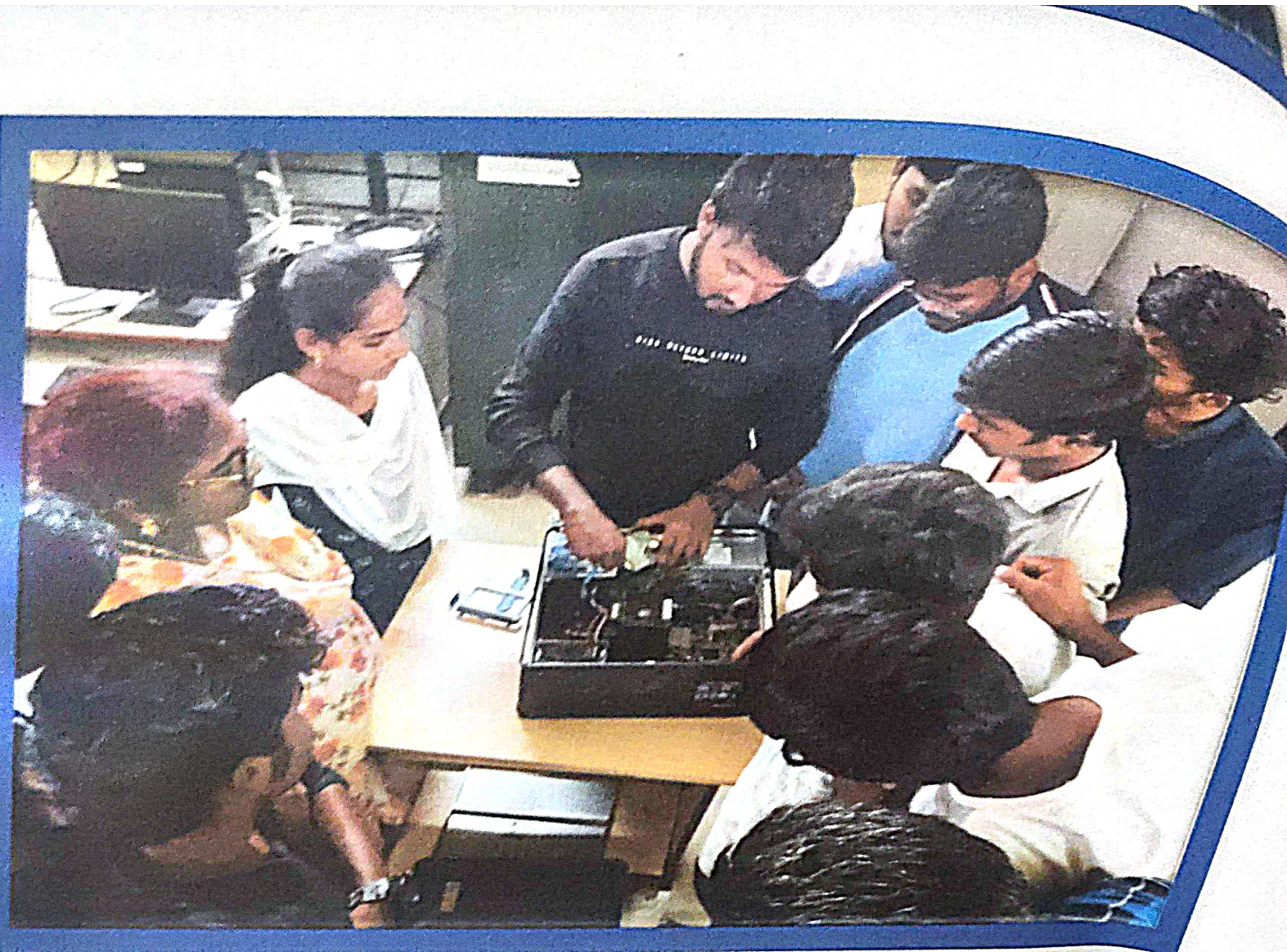


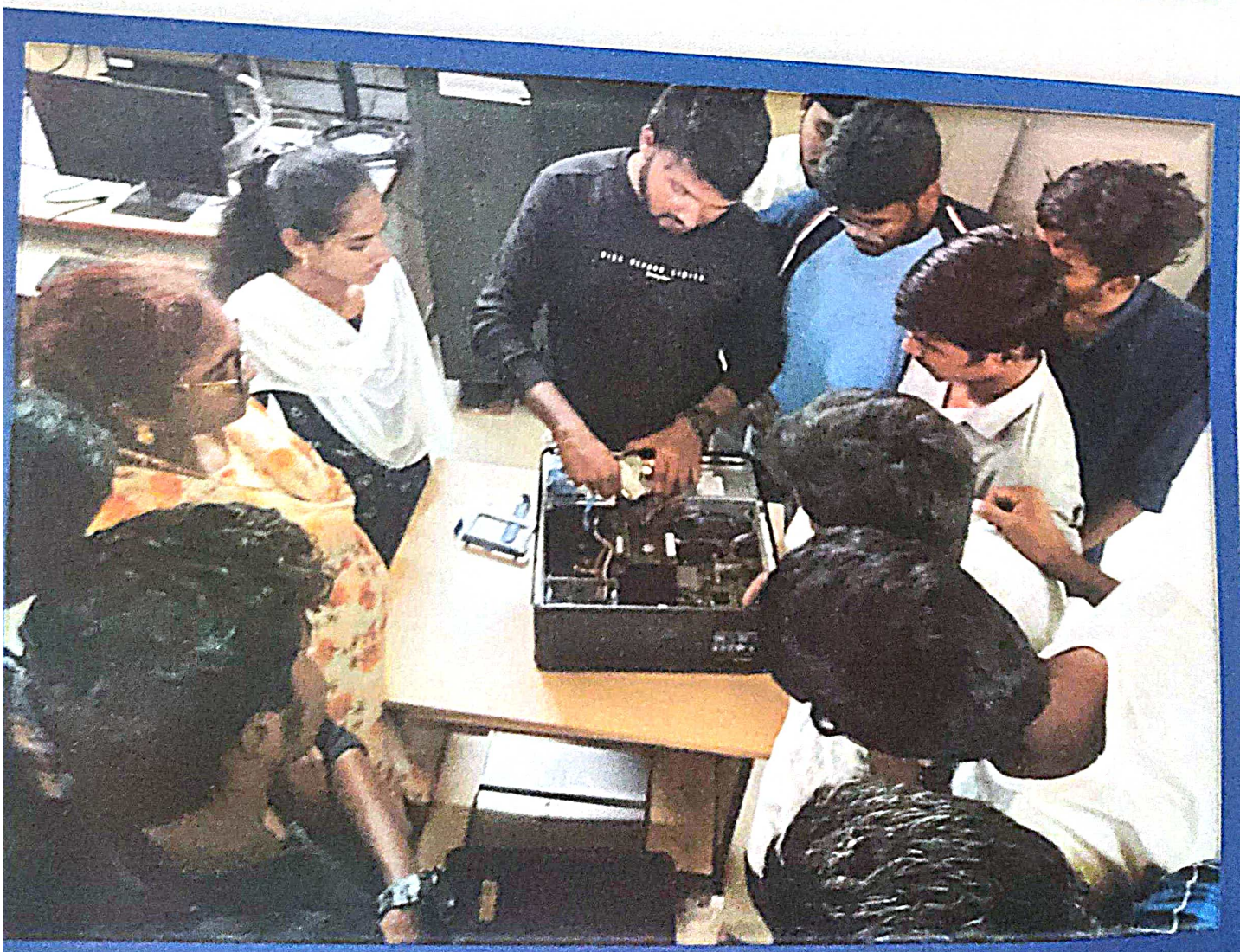
Conclusion

Expected Job Roles: Service Technician

Outline of the Workshop:

S. No	Topics
1.	Basic of computer, I/O devices
2.	Monitors (CRT/ LCD/LED),Memory
3.	Hard Disk (SATA, USB, Solid State)
4.	Study of different types of Mother Board
5.	Study of different Buses
6.	I/O Ports, graphic cards
7.	Installation of printer / modem /OS /scanner
8.	BIOS set up
9.	Recovery & Trouble shooting
10.	Preventive maintenance & Anti Virus





SR & BGNR GOVT. ARTS & SCIENCE DEGREE COLLEGE (A), KHAMMAM

Department of Computer Science & Applications

Workshop on PC Assembly and Maintenance

B.SC II YEAR

SNo.	HTNo	Student Name	Signature
1	2619-4201	ALAKUNTA RAMU	A. Ramu
2	2619-4202	ALAKUNTLA ANIL	Anil
3	2619-4204	AMGOTH KRISHNA	Krishna
4	2619-4219	BEESU MAHESH	Mahesh
5	2619-4220	BHUKYA NAVEEN	B. Naveen
6	2619-4221	BHUKYA RAMSINGH	Ram Singh
7	2619-4224	BHUKYA SRIKANTH	Srikanth
8	2619-4227	BODA SRIKANTH	B. Srikanth
9	2619-4229	CHALLA KOTESWA RAO	Kothelwar Rao
10	2619-4233	DARAVATH VEERANNA	veeranna
11	2619-4234	DARELLI NARENDRA	D. Narendra
12	2619-4235	DERANGULA TRIVENI	Triveni
13	2619-4239	DHARAVATH NAVEEN	Naveen
14	2619-4242	DONTHAGANI SRIKANTH	Sri. Kanth
15	2619-4243	DOPATHI PRAKASH	D. Prakash
16	2619-4249	ELAPROLU GOPI CHAND	Gopichand
17	2619-4250	ESLAVATH SANDEEP	Sandeep
18	2619-4251	GADDIPARTHI SUDARSHAN	G. Sudarshan
19	2619-4252	GADIPELLY KARTHIK	Karthik
20	2619-4253	GANDHASIRI VENKATESH	Venka
21	2619-4254	GOLLA PULLA RAO	Pullarao
22	2619-4255	GORINTLA MURALIMANOHR	Murali
23	2619-4256	GOTTIPARTHI VINOD	Vinod
24	2619-4257	GUDELLI SIREESHA	Sireesha
25	2619-4258	GUDIBOINA UMAMAHESH	Umamahesh
26	2619-4259	GUGULOTH DURGA PRASAD	Prasad
27	2619-4263	GUNIGANTI VINAY	Vinay
28	2619-4272	KADIYAM GOPI	Gopi
29	2619-4273	KAMMAGANTI SRIHARI	Srihari
30	2619-4274	KANDHALA BHARATHKUMAR	Bharath
31	2619-4275	KANNAM SAI VIKAS	Sai Vikas
32	2619-4298	MANGALAGIRI SATISHKUMAR	Satish
33	2619-4299	MANGA SAIPRAKASH	Saiprakash
34	2619-4300	MANIKYAM SRIHARI	Srihari
35	2619-4301	MARINGANTI KARTHIK	Karthik
36	2619-4302	MEKALA RAJESWARI	Rajeshwari
37	2619-4303	MEKALA VAMSHI	Vamshi
38	2619-4304	MEKAPOTHULA SIVA KRISHNA	Siva Krishna
39	2619-4305	MOHAMMAD KAIF ZAKI	Zaki
40	2619-4306	MOHAMMED ABRAR AHMED	ABRAR AHMED
41	2619-4307	MONDIKATHI ANJI KUMAR	Anji Kumar
42	2619-4308	NAGIREDDY BHARGAV	Bhargav
43	2619-4309	NANDIPATI NAVEEN	Naveen

44	2619-4310	NARRA VENU	D. Jany
45	2619-4311	NETHI SRAVANKUMAR	N. Sraavankumar
46	2619-4312	NIDIGONDA MAHESH	Mahesh
47	2619-4313	NUKALA PAVAN KALYAN	Pavan Kalyan
48	2619-4315	PADIGA RAJESH KHANNA	Rajesh
49	2619-4324	PERALA MAHESH BABU	P. Mahesh Babu
50	2619-4325	PILLI GOPI CHAND	P. Gopi Chand
51	2619-4326	PIPPALLA NAGAMANI	Naga Mani
52	2619-4327	PITTALA NAVEEN	P. Naveen
53	2619-4335	SAGABOYINASIVARAMAKRISHNA	S. Krishna
54	2619-4341	SHAIK IMRAN	Imran
55	2619-4343	SHAIK MUSTHAFA	Sr. Musthaf
56	2619-4344	SHAIK NAGUL MEERA	Nagul Meera
57	2619-4345	SHAIK NOWSHAD	Nowshad
58	2619-4352	SURABOINA BHAVANA	Bhavana
59	2619-4353	T LAXMI TIRUPATAMMA	T. Laxmi Tirupatamma
60	2619-4354	TEJAVATH BHANU PRASAD	Bhanu Prasad
61	2619-4355	TEJAVATH RENUKA	T. Renuka
62	2619-4359	THUMMAKOMMA TEJASRI	Tejasri
63	2619-4360	THUPAKULA VAMSHI	Vamshi
64	2619-4361	TUMOJU VINITHA	Moukthika
65	2619-4362	VADIGA LEENA MOUKTHIKA	T. Vinitha
66	2619-4363	VADITHYA SAI KUMAR	Sai Kumar
67	2619-4364	VAJRALA SAI RAM	Sai Ram
68	2619-4365	VANKUDOTH RAMBABU	Rambabu
69	2619-4366	VANKUDOTH UDAY KIRAN	Uday Kiran
70	2619-4367	VARRE SARESWARAO	Sareswarao
71	2619-4368	VASAM SUVARNA	Suvarna
72	2619-4369	VEERAMALLA UPENDER	Upender
73	2619-4370L	VEMULA PUSHPA	Puspa
74	2619-4371	VEMULA SUCHITHA	Suchitha
75	2619-4373	YARRA SUSHMA	Sushma
76	2619-4374	YASA DIVYA SRI	Divya Sri
77	2619-4402	DUDDHA NAGAMANIKANTA	N. Manikanta
78	2619-4403	CHARPA THILAK	C. Thilak
79	2619-4404	GUGULOTH NAVEEN KUMAR	G. Naveen Kumar
80	2619-4405	INTURI NAGARAJU	Naga Raju
81	2619-4406	MOKKA SHIVAGOUD	M. Shivagoud
82	2619-4409	AKUTHOTA RAKESH	Rakesh
83	2619-4410	AMBATI NAVEEN KUMAR	Naveen Kumar
84	2619-4411	BADDI YASHWANTH SAI	B. Yashwanth Sai
85	2619-4414	BOLLAM SRAVANI	Sravani
86	2619-4415	CHALLA GOPAL RAO	Gopal Rao
87	2619-4416	CHENNOJU RAIITHA	C. Raiitha
88	2619-4417	CHITHARU POOJA	Pooja
89	2619-4418	DHARAVATH VEERABABU	D. Veerababu
90	2619-4419	DONAKONDA SATHISHKUMAR	S. Sathishkumar

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SR & BGNR GOVT. ARTS & SCIENCE COLLEGE(A), KHAMMAM

Workshop Evaluation Form

Title of the Workshop: PC Assembly and Maintenance

Date: 04-11-2019

In order to continue to improve the quality of educational programming, the Department of Computer Science & Applications, would appreciate you taking few minutes of your time to complete this evaluation. Your comments and suggestions will help us to plan future lectures to meet your educational needs.

1. The workshop organization was [4]
1. Poor 2. Good 3. Fair 4. Excellent
2. The workshop instructor was [4]
1. Poor 2. Good 3. Fair 4. Excellent
3. The workshop presentation methods were [4]
1. Poor 2. Good 3. Fair 4. Excellent
4. The workshop activities were [4]
1. Poor 2. Good 3. Fair 4. Excellent
5. The workshop topic coverage and relevance was [4]
1. Poor 2. Good 3. Fair 4. Excellent
6. How would you rate the usefulness of the content was [4]
1. Poor 2. Good 3. Fair 4. Excellent
7. How would you rate the hand-on activities [4]
1. Poor 2. Good 3. Fair 4. Excellent
8. How would you rate the presenter's knowledge in the subject [4]
1. Poor 2. Good 3. Fair 4. Excellent
9. The workshop overall content was [3]
1. Poor 2. Good 3. Fair 4. Excellent
10. What is your overall assessment of the event [4]
1. Poor 2. Good 3. Fair 4. Excellent

SR & BGNR GOVT ARTS & SCIENCE COLLEGE(A)

Khammam :: Telangana-507002

DEPARTMENT OF COMPUTER SCIENCE AND APPLICATION

Certificate of Participation



This is to certify that Mr/Ms of **SR & BGNR GOVT. Arts & Science College(A), Khammam** has successfully attended the national level Workshop on "PC Assembly and Maintenance" organized by Department of Computer Science and Application conducted on 04/11/2019 .

M.Srinivasa Rao
Convenor

N.Srinivasa Rao
Incharge

Dr. B. Venkateswara Reddy
Principal