

A One day Workshop on Computer Networks

About the College

SR & 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

SR & 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).

About the Workshop

"Computer Networks " Workshop will be held at SR & B.G.N.R GOVT. ARTS & SCIENCE COLLEGE(Autonomous), Khammam, Telangana India, on 25th, October 2018. The aim of the workshop Computer Networks is to provide the skills mechanism to the students for learning the process in which the system connects numerous independent computers in order to share information, resources, various kinds of nodes, servers and networking hardware. The workshop is to meet new challenges, collect new ideas and exhibit it as a practice during the session.



ONE DAY WORKSHOP

On

" COMPUTER NETWORKS "

On

25TH OCTOBER, 2018

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)

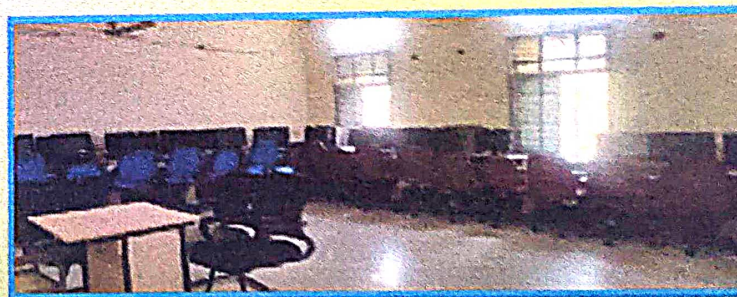
Resource Person

CH. JAMUNA RANI, M.C.A

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

VENUE

Room No: 205, COMPUTER LAB1



Hallur

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



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

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

Name of the Event: Workshop

Date: 25-10-18

Venue: Computer Lab

Topic: Workshop on Computer Networks

Content Covered

A group of computers which are connected to each other and follow similar usage protocols for the purpose of sharing information and having communications provided by the networking nodes is called a Computer Network.

A network may be small where it may include just one system or maybe as large as what one may want. The nodes may further be classified into various types. These include:

- Personal Computers
- Servers
- Networking Hardware
- General Hosts
-

Networking can be classified into three types:

1. Types of Computer Networks
2. Topology
3. Interpreters

Types of Computer Networks

There are five main types of Computer Networks:

1. LAN (Local Area Network) –

- Systems connected in a small network like in a building or a small office
- It is inexpensive
- It uses Ethernet or Token-ring technology
- Two or more personal computers can be connected through wires or cables acting as nodes
- Transfer of data is fast and is highly secure

PAN (Personal Area Network) –

- The smallest computer network
- Devices may be connected through Bluetooth or other infra-red enabled devices
- It has a connectivity range of upto 10 metres

- It covers an area of upto 30 feet
- Personal devices belonging to a single person can be connected to each other using PAN

MAN (Metropolitan Area Network) –

- A network that can be connected within a city, for example, cable TV Connection
- It can be in the form of Ethernet, ATM, Token-ring and FDDI
- It has a higher range
- This type of network can be used to connect citizens with the various Organizations

WAN (Wide Area Network) –

- A network which covers over a country or a larger range of people
- Telephonic lines are also connected through WAN
- Internet is the biggest WAN in the world
- Mostly used by Government Organisations to manage data and information

VPN (Virtual Private Network): –

- A network which is constructed by using public wires to connect to a private network
- There are a number of systems which enable you to create networks using the Internet as a medium for transporting data
- These systems use encryptions and other security mechanisms to ensure only authorised users can access

Network Devices

- **Network Repeater** – Used to generate incoming electrical, wireless or optical signals
- **Network Hub** – It is a small network device. It joins multiple computers together to form a single network segment. On this segment, all computers can interact with each other
- **Network Switch** – It is a small hardware device which joins multiple computers together with a single LAN
- **Network Router** – This device interfaces in multiple networks whose task is to copy packages from one network to another. It provides connectivity inside enterprises, between Enterprises and the Internet and within an ISP
- **Network Bridge** – It reads the outermost section of the data packet to tell where the message is going. It reduces the traffic on other network segments.
- **Modem** – This device converts digital signals into analog signals. It is always placed between a telephone and a computer system

Conclusion:

Resourse person had concluded to choose a job role. There are many jobs in the networking field to choose from, including:

- Network specialist
- Network technician
- Network administrator
- Network analyst
- Network manager
- Network engineer
- Network solutions architect

Finally suggested to get prepared with Networking Certifications and Training.



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

Department of Computer Science & Applications

Workshop on Computer Networks

B.SC III YEAR

SNo.	HTNo	Student Name	Signature
1	26172202	TEJAVATH HANUMANTHARAO	Hanumantharao.
2	26172203	VUTUKURI VAMSHI	V. Vamshi
3	26172207	MEESALA SAIRAO AJITH	Self
4	26172210	MARKAPUDI NIROSHA	Nirosha.
5	26172211	CHINNAKESI SREEKANTH PAVAN	C. Srikanth Pavan
6	26172212	POLEBOINA NAVEENA	Naveena
7	26172214	KOTHAPALLY RAHUL	Rahul.
8	26172215	KAPUDASI DANI PAUL	Self
9	26172216	SURAPALLI THIRUPATAMMA	Thirupathamma
10	26172217	DUGGI VENKATA NATH	venkatanath
11	26172219	THALLURI ANUSHA	Anusha
12	26172220	PAGADALA RAKESH	P. Rakesh
13	26172221	NAVYASRI NAROJU	NAROJU
14	26172222	CHILUKOTI GOPIKRISHNA	Self
15	26172225	RASAMANTI KAVYA	R. Kavya
16	26172226	SHAIK PARVEZ	Parvez
17	26172229	RAVURI GOPICHAND	R. Gopichand
18	26172238	EARPULA BHADRAMMA	Bhadramma
19	26172301	AKULA KIRAN	Kiran
20	26172304	MEKA VINAY	M. Vinay
21	26172305	PEDDOJU SHRAVANI	Shravani
22	26172307	CHIKATI HARSHINI	Self
23	26172308	VADDEPUDI NAGARAJU	V. Nagaraju
24	26172309	VALLALA VENKATESH	Venkatesh

25	26172313	SHAIK SAPOORA	
26	26172315	PASUPULETI VENUGOPALA RAO	D. Venu
27	26172316	THANGELLA SAIRAM	Sairam
28	26172319	SHAIK GOUSE	SK. Gouse
29	26172321	SHAIK SHAHEEN	Sheef
30	26172323	GARETI LAKSHMIKANTH	G.L. Kanth
31	26172325	SHAIK ALMAS	Almas
32	26172328	MARKAPUDI PRASHANTH	Prashanth
33	26172332	GUGULOTH BALAJI	G. Balaji
34	26172333	BIYYANI AJITH	B. Ajith
35	26172334	THUPPATHI ASHOK	Ashok
36	26172335	JAKKI VISHNU VARDHAN	Vishnu vardhan
37	26172901	SYED ARSHIYA	S. Arshiya
38	26172902	SAVITI PRUDHVI	Prudhvi
39	26172903	VANKUDOTH NAVEEN	V. Naveen
40	26172909	SHAIK SAFIYA	Sheef
41	26172911	BANOTH NARESH	Nareesh
42	26172914	VARIKUTI SIRISHA	Sheef
43	26172915	ALLAM HARIKRISHNA	A. Harikrishna
44	26172916	V THOMAS RAJU	V. Thomas Raju
45	26172917	PALLAPU GOPALA KRISHNA	Gopala Krishna
46	26172921	PAMARTHY RAMADEVI	Ramadevi
47	26172922	CHEVULA UMADEVI	Ch. Umadevi
48	26172923	GOSULA ANNAMAIAH	G. Annamaiah
49	26172926	AKKIRALA JAYARAJU	Jay
50	26172929	GOLLA MOUNIKA	G. Mounika
51	26172931	THOLEM VIJAYAPRADA	Vijayaprada
52	26172932	SAGABOINA SATHISH KUMAR	Sathish

Kml as

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KHAMMAM

Workshop Evaluation Form

Title of the Workshop: Computer Networks

Date: 25-10-2018

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 [3]
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 [4]
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)

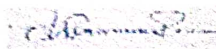
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DEPARTMENT OF COMPUTER SCIENCE AND APPLICATION

Certificate of Participation

This is to certify that Mr/Ms of **SR & BGNR GOVT. Arts & Science College(A), Khammam** has successfully completed the national level Workshop on "Computer Networks" organized by Department of Computer Science and Application conducted on **25/10/2018**.



Ch. Jamuna Rani
Convenor



N. Srinivasa Rao
Incharge



Dr. M.V. Ramana
Principal