



GOVERNMENT DEGREE COLLEGE, RAYACHOTY

(Affiliated to Yogi Vemana University)

Chittor Road, RAYACHOTY, YSR KADAPA Dist
ACCREDITED BY NAAC WITH "C" GRADE



DEPARTMENT OF COMPUTER SCIENCE

A CERTIFICATE COURSE ON

INTERNET & NETWORKING

GROUP: III MPCS, II MPCS, I MPCS

Academic Year 2019-2020



Topic: **Internet & Networking (30 HOURS)**

GROUP: III MPCS, II MPCS, I MPCS

Certificate Course Convener :
SHAIK ABJAL JEELANI BASHA
Lecturer in Computer Science
Government Degree College, Rayachoty
PIN : 516269



GOVERNMENT DEGREE COLLEGE,
RAYACHOTY, YSR KADAPA DISTRICT, A.P.516269
(NAAC Accredited with C Grade)

Department of Computer Science



From

The Department of Computer Science
Government Degree College
Rayachoti

To

The Principal,
Government Degree College
Rayachoti

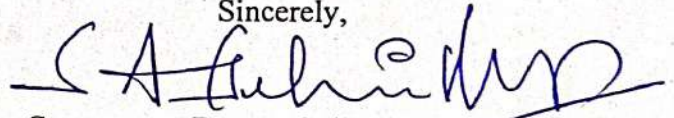
Subject: Request to Conduct Certificate Course on " Basic Concepts of Internet and Networking " Respected Madam,


I am writing to seek your approval to conduct a Certificate Course on " Basic Concepts of Internet and Networking" at Government Degree College, Rayachoti, from 01-02-2020, to 07-03-2020 This course aims to provide an in-depth understanding of the **Basic Concepts of Internet and Networking**, offering an invaluable learning opportunity for students and faculty members interested in the field of Computers.

The course will be coordinated by **Mr. Shaik Abjal Jeelani Basha**, Lecturer in Computer Science. The duration of the course will be 30 hours, and it will be held at Government Degree College, Rayachoti. The registration fee for the course is free of charge, and the registration deadline is **01-02-2020**. I assure you that all necessary arrangements will be made to ensure the smooth conduct of the course, and the schedule will not interfere with regular academic activities. I kindly request your permission to proceed with the organization of this course.

Thank you for considering this request. I look forward to your positive response.

Sincerely,


Government Degree College, Rayachoty


21/01/2020



GOVERNMENT DEGREE COLLEGE,
RAYACHOTY, YSR KADAPA DISTRICT, A.P.516269
(NAAC Accredited with C Grade)
Department of Computer science



Date: 21-01-2020

CIRCULAR

To,
All students and faculty Members,
Government Degree College Rayachoty.

Subject: Certificate Course on Basic Concepts of Internet and Networking

Dear Sir/Madams,

We are pleased to announce a certificate course on **Basic Concepts of Internet and Networking** to be conducted at Government Degree college Rayachoty. This course aims to provide the best Issues of Internet and Networking for the students and faculty members.

Course Details

Course Duration: (30 Hours)

Venue: Government Degree College Rayachoty

Course Co-Ordinator: **SHAIK ABJAL JEELANI BASHA**

Registration Fee: Free

Interested participants are requested to enroll for the course in the Department of Computer Science.

BAJAL
21/01/2020

B
21/1/2020

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STUDENT LIST

III MPCS

1. D. VENKATESWARLU
2. M. SALEEM
3. B. KARTHIK
4. K. ANNAMAIAH
5. K. MANINADHA
6. D. REDDY SEKHAR
7. SHAIK BABJI
8. SHAIK MOHAMMED GHOUSE
9. SHAIK MASUD ALAM
10. S. MUHAMMED ZIYA

II MPCS

1. D V SIVAMMA
2. D. CHENNA KESAVA
3. G. HARI PRIYA
4. K. SURESH KUMAR
5. M. VENU GOPAL
6. M. RAJ KUMAR REDDY
7. R. SRI HARI
8. S. MD. HUZAIFA
9. S. SHAMEEM
10. S. NAJMA

I MPCS

1. S SHAIKAKHIL AHAMMAD
2. GADDAMAPSA
3. SIBYALAASHOK KUMAR
4. SHAIKBAVADDIN
5. THARIGONDADRUTHI
6. MUKKAPALLILALITHA
7. VELAPALLIMAHESH
8. KOPPU MANI
9. SHAIK MOHAMMED RAFI
10. DERANGULA NAGESH
11. KADIYALAPRASAD NAIDU
12. JAGILIRAJA SEKHAR
13. GORENTLASAI HARI HARAN
14. GANGAPURAMSUPRIYA
15. VANAMVENKATA PRASAD
16. KOTAKONDAVENKATA PRASAD
17. GALAMVENKATA RAJESH
18. REPANA VENKATA SIVA SAI KALYAN

FOR THE MONTH OF

Section
Place

Sl. No.	Name of the Pupil	Caste	Date																															Total		
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31			
1	S. Akhilesh	1	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
2	S. APSA	1	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
3	S. Astorik Komal	1	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
4	S. Ravadhan	1	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
5	T. Daxtra	1	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
6	M. Lalitha	1	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
7	V. Harsh	1	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
8	K. Mani	1	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
9	S. Md. Rafi	1	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
10	D. Nagesh	1	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
11	K. Prasad Naidu	1	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
12	J. Raja Selvar	1	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
13	G. Sai Hari Haran	1	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
14	G. Supriya	1	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
15	V. V. Prasad	1	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
16	K. V. Prasad	1	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
17	G. V. Rajesh	1	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
18	R. V. S. Sri Kalpana	1	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/

THPCS

12/14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31

M. CHARGE
DEPT. Of Computer
Science / Application
Govt. Degree College
Rayachoty

LECTURER
DEPT. Of Computer
Science / Application
Govt. Degree College
Rayachoty

PUPIL'S ATTENDANCE REGISTER

NAME OF THE INSTITUTE

Sl. No.	Name of the Pupil	Caste	Date																															Total		
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31			
1	S. Akhilesh	1	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
2	S. APSA	1	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
3	S. Astorik Komal	1	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
4	S. Ravadhan	1	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
5	T. Daxtra	1	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
6	M. Lalitha	1	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
7	V. Harsh	1	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
8	K. Mani	1	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
9	S. Md. Rafi	1	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
10	D. Nagesh	1	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
11	K. Prasad Naidu	1	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
12	J. Raja Selvar	1	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
13	G. Sai Hari Haran	1	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
14	G. Supriya	1	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
15	V. V. Prasad	1	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
16	K. V. Prasad	1	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
17	G. V. Rajesh	1	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
18	R. V. S. Sri Kalpana	1	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/

Number Present M
Daily E
Initials M
E

No. 26 filed at the Registry of Courts. Admitted during the month. Left No. on roll at end of month.

PUPIL'S ATTENDANCE REGISTER

NAME OF THE INSTITUTE

Admission No. _____

Name of the Pupil

Centre (1) 2 3 4 5 6 7 (8) 9 10 11 12 13 14

Group
III MPE

1. D. Venkateswarulu
2. H. Saleem
3. B. Karthik
4. K. Anuramaya
5. K. Hahinda
6. D. Reddy Sekhar
7. C. Babji
8. S. H. Ghose
9. S. Chandram
10. S. M. Ziya

IMPCS

1. D. V. Swamin
2. D. Chenna Kesava
3. G. Hari Praga
4. K. Suresh Kumar
5. M. Venugopal
6. H. Raj Kumar Reddy
7. R. Sri Hari
8. S. H. Thirath
9. S. Chandra
10. S. Narana

Center	1	2	3	4	5	6	7	8	9	10	11	12	13	14
Group 1	/	/	/	/	/	/	/	/	/	/	/	/	/	/
Group 2	/	/	/	/	/	/	/	/	/	/	/	/	/	/
Group 3	/	/	/	/	/	/	/	/	/	/	/	/	/	/
Group 4	/	/	/	/	/	/	/	/	/	/	/	/	/	/
Group 5	/	/	/	/	/	/	/	/	/	/	/	/	/	/
Group 6	/	/	/	/	/	/	/	/	/	/	/	/	/	/
Group 7	/	/	/	/	/	/	/	/	/	/	/	/	/	/
Group 8	/	/	/	/	/	/	/	/	/	/	/	/	/	/
Group 9	/	/	/	/	/	/	/	/	/	/	/	/	/	/
Group 10	/	/	/	/	/	/	/	/	/	/	/	/	/	/

30 days (Working days) course completed
 Certification Course Examination Conducted
 Second Semesters

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Number Present M
Daily E
Initials M
E

FOR THE MONTH OF

Day	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Attendance	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/

P. CHARGE
 DEPT. OF COMPUTER
 Science Application
 Govt. Degree College
 Rayachoti

LECTURER
 DEPT. OF COMPUTER
 Science Application
 Govt. Degree College
 Rayachoti
 S. A. Gurukulam

No. of working days
 Average Attendance during the month
 No. of Roll book pages

No. on Roll at the Beginning of month
 Admitted during the month
 Left No. on roll at end of month

PUPIL'S ATTENDANCE REGISTER

Sl. No.	Admission No.	Name of the Pupil	Date													
			1	2	3	4	5	6	7	8	9	10	11	12	13	14
1		S. Abdel Alkamel	/	/	/	/	/	/	/	/	/	/	/	/	/	
2		G. Anca	/	/	/	/	/	/	/	/	/	/	/	/	/	
3		S. Achah Umar	/	/	/	/	/	/	/	/	/	/	/	/	/	
4		S. Bavaddin	/	/	/	/	/	/	/	/	/	/	/	/	/	
5		I. Duetra	/	/	/	/	/	/	/	/	/	/	/	/	/	
6		M. Lalitha	/	/	/	/	/	/	/	/	/	/	/	/	/	
7		V. Mahesh	/	/	/	/	/	/	/	/	/	/	/	/	/	
8		K. Haru	/	/	/	/	/	/	/	/	/	/	/	/	/	
9		S. Md. Rafi	/	/	/	/	/	/	/	/	/	/	/	/	/	
10		D. Napeth	/	/	/	/	/	/	/	/	/	/	/	/	/	
11		K. Prasad Naidu	/	/	/	/	/	/	/	/	/	/	/	/	/	
12		J. Raja Lehal	/	/	/	/	/	/	/	/	/	/	/	/	/	
13		G. Sai Haril Hasan	/	/	/	/	/	/	/	/	/	/	/	/	/	
14		G. Supriya	/	/	/	/	/	/	/	/	/	/	/	/	/	
15		V. V. Prasad	/	/	/	/	/	/	/	/	/	/	/	/	/	
16		K. V. Prasad	/	/	/	/	/	/	/	/	/	/	/	/	/	
17		G. V. Rajesh	/	/	/	/	/	/	/	/	/	/	/	/	/	
18		R. V. S. Sai Balagan	/	/	/	/	/	/	/	/	/	/	/	/	/	

Number Present M
Daily E
Initials M
E

(Handwritten marks)

Record Saturday
Certificate Course Examination Conducted
20 days (working days) course completed

FOR THE MONTH OF

Section	Place	Date														Average Attendance during the month
		15	16	17	18	19	20	21	22	23	24	25	26	27	28	
DEPT. OF COMPUTER SCIENCE/APPLICATION Govt. Degree College Rayachoty		<i>(Large handwritten signature)</i>														
DEPT. OF COMPUTER SCIENCE/APPLICATION Govt. Degree College Rayachoty		<i>(Large handwritten signature)</i>														

Basic Concepts of the Internet and Networking

SYLLABUS

Week 1: Introduction to Networking

Day 1: Introduction to Networking Concepts

- Overview of computer networks
- Importance and applications of networking

Day 2: Network Types and Topologies

- Types of networks (LAN, WAN, MAN, PAN)
- Network topologies (Star, Bus, Ring, Mesh)

Day 3: Network Devices

- Overview of network devices (Router, Switch, Hub, Modem, Access Point)
- Functions and features of each device

Day 4: The OSI Model

- Introduction to the OSI model (7 layers)
- Functions of each layer

Day 5: The TCP/IP Model

- Overview of the TCP/IP model (4 layers)
- Comparison with the OSI model

Day 6: Review and Quiz

- Review of Week 1 topics
- Quiz on basic networking concepts

Day 7: Practical Lab: Setting Up a Basic Network

- Hands-on activity: Setting up a simple LAN
- Identifying and connecting network devices

Week 2: Network Protocols and IP Addressing

Day 8: Understanding IP Addresses

- Introduction to IP addressing (IPv4 and IPv6)
- Structure of an IP address

Day 9: Subnetting

- Basics of subnetting

- Subnet masks and CIDR notation

****Day 10: Domain Name System (DNS)****

- Function and structure of DNS

- How DNS works

****Day 11: Address Resolution Protocol (ARP)****

- Introduction to ARP and its role in networking

- ARP request and reply process

****Day 12: Common Networking Protocols****

- Overview of essential protocols (HTTP, HTTPS, FTP, SMTP, IMAP, POP3)

- Role and functionality of each protocol

****Day 13: Review and Quiz****

- Review of Week 2 topics

- Quiz on IP addressing and protocols

****Day 14: Practical Lab: Configuring IP Addresses and Subnets****

- Hands-on activity: Assigning IP addresses to devices

- Creating and configuring subnets

Week 3: Wireless Networking and Network Security

****Day 15: Introduction to Wireless Networking****

- Basics of wireless networking (Wi-Fi standards)

- Wireless network components

****Day 16: Wireless Security Protocols****

- Overview of wireless security protocols (WEP, WPA, WPA2, WPA3)

- Securing a wireless network

****Day 17: Network Security Basics****

- Common network security threats (malware, phishing, DDoS attacks)

- Basic security measures (firewalls, antivirus software, VPNs)

****Day 18: Encryption and Secure Communication****

- Introduction to encryption

- Importance of SSL/TLS in secure communication

****Day 19: Firewalls and Network Protection****

- Types of firewalls

- Configuring and managing firewalls

****Day 20: Review and Quiz****

- Review of Week 3 topics

- Quiz on wireless networking and security

****Day 21: Practical Lab: Setting Up a Secure Wireless Network****

- Hands-on activity: Configuring a wireless router

- Implementing wireless security protocols

Week 4: Network Management and Troubleshooting

****Day 22: Network Management Tools****

- Overview of network management tools (Wireshark, Packet Tracer)

- Monitoring network traffic

****Day 23: Troubleshooting Network Issues****

- Common networking issues and troubleshooting steps

- Using network diagnostics commands (ping, traceroute, nslookup, ipconfig/ifconfig)

****Day 24: Introduction to Cloud Computing****

- Basics of cloud computing

- Benefits and uses of cloud services

****Day 25: Virtual Networks and VPNs****

- Overview of virtual private networks (VPNs)

- Setting up and using VPNs

****Day 26: Network Virtualization and SDN****

- Introduction to network virtualization

- Basics of software-defined networking (SDN)

****Day 27: Review and Quiz****

- Review of Week 4 topics

- Quiz on network management and troubleshooting

****Day 28: Practical Lab: Network Troubleshooting and Management****

- Hands-on activity: Using tools to monitor and troubleshoot networks

- Configuring and managing a virtual network

Week 5: Final Review and Assessment

****Day 29: Comprehensive Review****

- Review of all course topics
- Preparation for final assessment

****Day 30: Final Exam and Certification****

- Final written exam
- Practical lab assessment
- Awarding of certificates to successful participants

Course Outcomes: Basic Concepts of the Internet and Networking

Upon successful completion of this 30-day certificate course, participants will achieve the following outcomes:

1. Understanding of Networking Fundamentals

- ****Outcome 1.1:**** Define and explain basic networking terminology and concepts.
- ****Outcome 1.2:**** Describe the different types of networks (LAN, WAN, MAN, PAN) and their characteristics.
- ****Outcome 1.3:**** Illustrate common network topologies (Star, Bus, Ring, Mesh) and understand their applications and advantages.

2. Knowledge of Network Devices

- ****Outcome 2.1:**** Identify key network devices such as routers, switches, hubs, modems, and access points.
- ****Outcome 2.2:**** Explain the functions and features of each network device.
- ****Outcome 2.3:**** Understand the differences between various network devices and their roles in a network.

3. Mastery of Networking Models

- ****Outcome 3.1:**** Understand the OSI (Open Systems Interconnection) model and describe the functions of its seven layers.
- ****Outcome 3.2:**** Understand the TCP/IP model and describe its four layers.
- ****Outcome 3.3:**** Compare and contrast the OSI and TCP/IP models.

4. Proficiency in IP Addressing and Subnetting

- **Outcome 4.1:** Understand the structure of IP addresses (IPv4 and IPv6).
- **Outcome 4.2:** Differentiate between public and private IP addresses.
- **Outcome 4.3:** Perform subnetting and understand subnet masks and CIDR notation.
- **Outcome 4.4:** Configure IP addresses and subnets on network devices.

5. Familiarity with Key Networking Protocols

- **Outcome 5.1:** Explain the purpose and operation of essential networking protocols (HTTP, HTTPS, FTP, SMTP, IMAP, POP3).
- **Outcome 5.2:** Understand the role of DNS (Domain Name System) and ARP (Address Resolution Protocol) in networking.
- **Outcome 5.3:** Implement secure communication protocols such as SSL/TLS.

6. Wireless Networking and Security Competence

- **Outcome 6.1:** Understand the basics of wireless networking and Wi-Fi standards.
- **Outcome 6.2:** Explain wireless security protocols (WEP, WPA, WPA2, WPA3) and their importance.
- **Outcome 6.3:** Configure and secure a wireless network.

7. Network Security Awareness

- **Outcome 7.1:** Identify common network security threats such as malware, phishing, and DDoS attacks.
- **Outcome 7.2:** Implement basic security measures including firewalls, antivirus software, and VPNs.
- **Outcome 7.3:** Understand encryption and its role in network security.

8. Network Management and Troubleshooting Skills

- **Outcome 8.1:** Utilize network management tools (Wireshark, Packet Tracer) for monitoring and managing network traffic.
- **Outcome 8.2:** Perform basic network troubleshooting using diagnostic commands (ping, traceroute, nslookup, ipconfig/ifconfig).
- **Outcome 8.3:** Understand cloud computing basics and the use of virtual private networks (VPNs).

9. Practical Networking Experience

- **Outcome 9.1:** Set up a basic local area network (LAN).
- **Outcome 9.2:** Configure network devices and assign IP addresses.
- **Outcome 9.3:** Secure a wireless network and implement wireless security protocols.
- **Outcome 9.4:** Use networking tools to troubleshoot and manage networks.

- **Outcome 4.1:** Understand the structure of IP addresses (IPv4 and IPv6).
- **Outcome 4.2:** Differentiate between public and private IP addresses.
- **Outcome 4.3:** Perform subnetting and understand subnet masks and CIDR notation.
- **Outcome 4.4:** Configure IP addresses and subnets on network devices.

5. Familiarity with Key Networking Protocols

- **Outcome 5.1:** Explain the purpose and operation of essential networking protocols (HTTP, HTTPS, FTP, SMTP, IMAP, POP3).
- **Outcome 5.2:** Understand the role of DNS (Domain Name System) and ARP (Address Resolution Protocol) in networking.
- **Outcome 5.3:** Implement secure communication protocols such as SSL/TLS.

6. Wireless Networking and Security Competence

- **Outcome 6.1:** Understand the basics of wireless networking and Wi-Fi standards.
- **Outcome 6.2:** Explain wireless security protocols (WEP, WPA, WPA2, WPA3) and their importance.
- **Outcome 6.3:** Configure and secure a wireless network.

7. Network Security Awareness

- **Outcome 7.1:** Identify common network security threats such as malware, phishing, and DDoS attacks.
- **Outcome 7.2:** Implement basic security measures including firewalls, antivirus software, and VPNs.
- **Outcome 7.3:** Understand encryption and its role in network security.

8. Network Management and Troubleshooting Skills

- **Outcome 8.1:** Utilize network management tools (Wireshark, Packet Tracer) for monitoring and managing network traffic.
- **Outcome 8.2:** Perform basic network troubleshooting using diagnostic commands (ping, traceroute, nslookup, ipconfig/ifconfig).
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9. Practical Networking Experience

- **Outcome 9.1:** Set up a basic local area network (LAN).
- **Outcome 9.2:** Configure network devices and assign IP addresses.
- **Outcome 9.3:** Secure a wireless network and implement wireless security protocols.
- **Outcome 9.4:** Use networking tools to troubleshoot and manage networks.

QUESTION PAPER

Multiple-choice questions on the Basic Concepts of the Internet and Networking:

Questions

1. ****What does IP stand for in networking?*****
 - A) Internet Provider
 - B) Internet Protocol
 - C) Internet Packet
 - D) Internet Pathway
2. ****Which device connects multiple computers within a local area network (LAN)?****
 - A) Modem
 - B) Router
 - C) Switch
 - D) Firewall
3. ****What is the primary function of a router?*****
 - A) Store data
 - B) Manage network traffic and direct data packets
 - C) Provide internet access
 - D) Protect against malware
4. ****What does DNS stand for?*****
 - A) Dynamic Network Service
 - B) Domain Name System
 - C) Digital Network Service
 - D) Domain Network Server
5. ****Which protocol is used to transfer files over the Internet?*****
 - A) HTTP
 - B) FTP
 - C) SMTP
 - D) POP3

6. ****What is the purpose of an IP address?****
- A) Identify a device on a network
 - B) Encrypt data
 - C) Speed up internet connections
 - D) Store files
7. ****Which of the following is a private IP address?****
- A) 192.168.1.1
 - B) 8.8.8.8
 - C) 172.217.14.206
 - D) 74.125.224.72
8. ****What does HTTP stand for?****
- A) HyperText Transfer Protocol
 - B) High Transfer Text Protocol
 - C) HyperText Transmission Protocol
 - D) High Transmission Text Protocol
9. ****What type of network is designed to cover a large geographical area, such as a city or country?****
- A) LAN
 - B) MAN
 - C) PAN
 - D) WAN
10. ****Which layer of the OSI model is responsible for data encryption?****
- A) Physical
 - B) Network
 - C) Presentation
 - D) Application
11. ****What is a subnet mask used for?****
- A) Encrypting data
 - B) Dividing an IP address into network and host parts
 - C) Connecting to a VPN
 - D) Filtering network traffic

12. ****Which protocol is used to send emails?***

- A) FTP
- B) HTTP
- C) SMTP
- D) IMAP

13. ****What does Wi-Fi stand for?***

- A) Wireless Fidelity
- B) Wireless Fiber
- C) Wide Fidelity
- D) Wide Fiber

14. ****Which device converts digital signals into analog signals for transmission over telephone lines?***

- A) Switch
- B) Router
- C) Modem
- D) Firewall

15. ****What is the maximum length of a standard Ethernet cable (Cat5e/Cat6) without signal degradation?***

- A) 50 meters
- B) 100 meters
- C) 150 meters
- D) 200 meters

16. ****What is the primary purpose of a firewall?***

- A) Speed up network traffic
- B) Block unauthorized access to a network
- C) Store network data
- D) Manage email accounts

17. ****Which of the following is an example of a top-level domain (TLD)?***

- A) .com
- B) www

- C) http
 - D) ftp
18. ****What does VPN stand for?*****
- A) Virtual Private Network
 - B) Virtual Public Network
 - C) Virtual Protocol Network
 - D) Virtual Protected Network
19. ****Which protocol is used for secure communication over the Internet?*****
- A) HTTP
 - B) HTTPS
 - C) FTP
 - D) Telnet
20. ****What does the term "bandwidth" refer to in networking?*****
- A) The length of a cable
 - B) The maximum rate of data transfer across a network path
 - C) The physical size of a network device
 - D) The number of devices on a network
21. ****Which protocol is used to resolve domain names to IP addresses?*****
- A) SMTP
 - B) FTP
 - C) DNS
 - D) DHCP
22. ****What is the primary purpose of DHCP?*****
- A) To translate domain names to IP addresses
 - B) To assign IP addresses dynamically to devices on a network
 - C) To establish a VPN connection
 - D) To encrypt data
23. ****Which of the following is NOT a type of network topology?*****
- A) Star
 - B) Mesh
 - C) Circle

- D) Ring

24. ****What is an example of a networking protocol used to ensure secure file transfer?***

- A) FTP

- B) SFTP

- C) HTTP

- D) POP3

25. ****Which type of network cable is most commonly used for high-speed internet connections?***

- A) Coaxial

- B) Fiber Optic

- C) Twisted Pair (Ethernet)

- D) USB

Answers

1. B) Internet Protocol

2. C) Switch

3. B) Manage network traffic and direct data packets

4. B) Domain Name System

5. B) FTP

6. A) Identify a device on a network

7. A) 192.168.1.1

8. A) HyperText Transfer Protocol

9. D) WAN

10. C) Presentation

11. B) Dividing an IP address into network and host parts

12. C) SMTP

13. A) Wireless Fidelity

14. C) Modem

15. B) 100 meters

16. B) Block unauthorized access to a network

17. A) .com

18. A) Virtual Private Network

19. B) HTTPS

20. B) The maximum rate of data transfer across a network path

21. C) DNS

22. B) To assign IP addresses dynamically to devices on a network

23. C) Circle

24. B) SFTP

25. B) Fiber Optic

These questions cover various basic aspects of Internet and networking, including protocols, devices, security, and network configurations.

FEED BACK FORM

On

Certificate Course: **Internet and Networking**

Dear Participants,

We value your feedback on our certificate course, "**Internet and Networking**"
Your input is essential to help us improve and better serve your educational needs.
Please take a moment to complete this questionnaire.

Please indicate tick mark among optioned mentioned against each question.

Name of the student: K. Annammaiah (optional)

Class: III. M.Pcc

S.No	Question	Strongly agree	Agree	Disagree	Strongly disagree
1.	The objectives of the course were clearly defined	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2	Instructor was well prepared to the classes	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3	Time allotted for the course was sufficient	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4	The course objectives were meet	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
5	Participation and interaction were encouraged	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

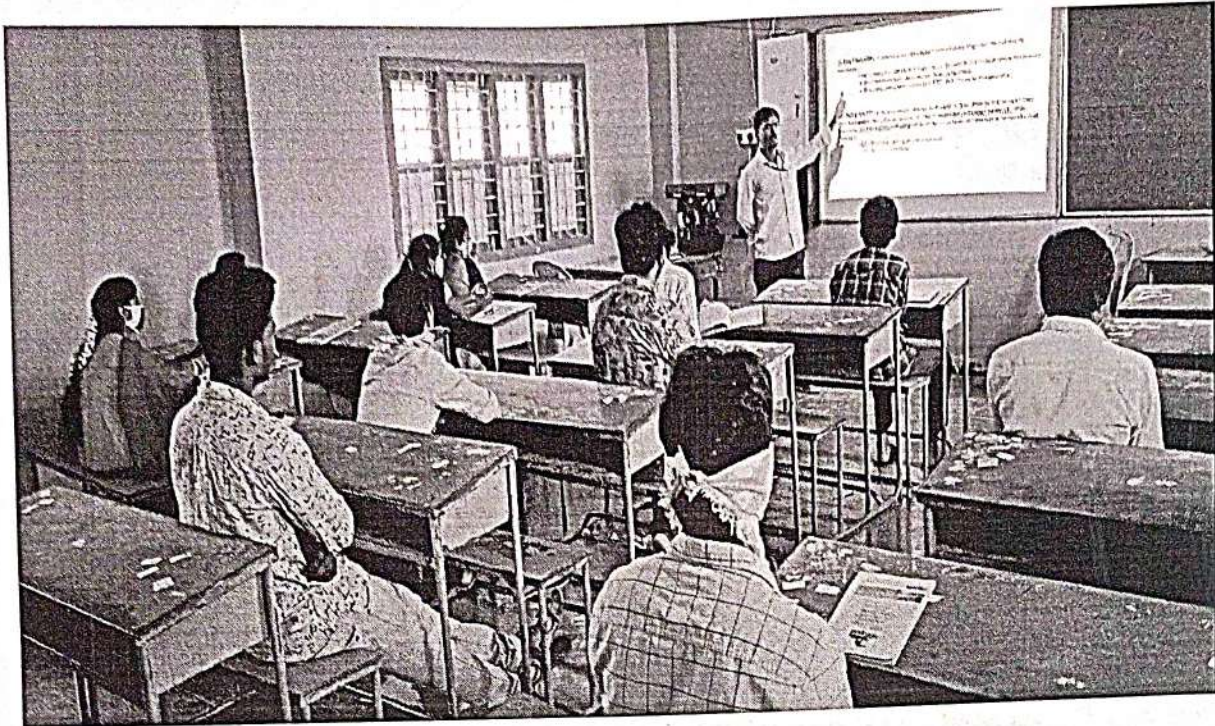
Any other suggestions:

K. Annammaiah

Feedback Report :-

Hence, the certificate course "Basic Concepts of the Internet and Networking" is very useful to all Students. The feedback from students were collected and analyzed. All the students showed interest to do such type of Certificate course and to continue it for further years also.

PHOTOS



CERTIFICATE

GOVERNMENT DEGREE COLLEGE, RAYACHOTY
Affiliated to Yogi Vemana University, Kadapa
NAAC Accredited with C Grade



CERTIFICATE

This is to certify that Mr/Miss K. Annamayya Studying III B.Sc MPCs has successfully completed the Certificate Course in Internet and Networking from 01-02-2020 to 07-03-2020 conducted by the Department of Computer Science during the

Academic Year 2019-2020

S.A. Gulri
Co-ordinator

B. S. Rao
Principal



GOVERNMENT DEGREE COLLEGE, RAYACHOTY

(Affiliated to Yogi Vemana University)

Chittor Road, Rayachoty, Kadapa (Dist.)

ACCREDITED BY NAAC WITH "C" GRADE



DEPARTMENT OF URDU

A Certificate Course On

"Spoken Arabic"

GROUP BA HUP URDU MEDIUM STUDENTS

Academic Year 2019-2020

Topic: "Spoken Arabic"

GROUP: BA HUP Urdu Medium

Certificate Course Convener:

Dr Syed Vasiulla Bakhtiyari

Lecturer in URDU

Government Degree College, Rayachoty

PIN: 516269



GOVERNMENT DEGREE COLLEGE,
RAYACHOTY, KADAPA DISTRICT, A.P.516269
(Accredited with C grade by NAAC)



Department of Urdu

From
Dr.Syed Vasiulla Bakhtiyari
Head of Department of Urdu
Government Degree College
Rayachoty.

To
The
Principal
Government Degree College
Rayachoty.

Subject: Request to Conduct Certificate Course on "Spoken Arabic"

Respected Madam,

I am writing to seek your approval to conduct a certificate Course on "Spoken Arabic" at Government Degree College, Rayachoty, from 14-08-2019, to 25-09-2019 This course aims to provide the students about Spoken Arabic and all related computer works in Urdu.

The course will be coordinated by Mr. Dr.S.Farooq Basha and Dr.Vasiulla Bakhtiyari, both Lecturers in Urdu. The duration of the course will be 30 hours, and it will be held at Government Degree College, Rayachoti. The registration fee for the course is free of charge, and the registration deadline is 08-08-2019. I assure you that all necessary arrangements will be made to ensure the smooth conduct of the course, and the schedule will not interfere with regular academic activities. I kindly request your permission to proceed with the organization of this course.

Thank you for considering this request. I look forward to your positive response.

Sincerely,

Signature
Government Degree College,
Rayachoti



GOVERNMENT DEGREE COLLEGE,
RAYACHOTY, ANNAMAYYA DISTRICT, A.P.516269
(Accredited with C grade by NAAC)



Department of Urdu

Date: 05.08.2019

CIRCULAR

To,
All students and faculty Members,
Government Degree College Rayachoti.

Subject: Certificate Course "Spoken Arabic"

Dear Sir/Madams,

We are pleased to announce a certificate course on "**Spoken Arabic**" to be conducted at Government Degree college Rayachoti. This course aims to provide the best Issues of "**Spoken Arabic**" for the students and faculty members.

Course Details

Course Duration: 14-08-2019 To 25-09-2019 (30 Hours)

Venue: Government Degree College Rayachoti

Course Co-Ordinator: Dr Syed Vasiulla Bakhtiyari

Registrations Deadlines: 08-08-2019

Registration Fee: Free

Interested participants are requested to register for the course by filling out the registration form available in the Department of Urdu.

SMM
Md. Ismail
Asst. Prof.

CERTIFICATE COURSE REGISTERED CANDIDATES:

AUG/SEP-2019

SNO	NAME OF THE CANDIDATE	CLASS	HALL TICKET	SIGNATURE
1	M.AFZAL ALI KHAN	1BA	190310111011	M. Afzal
2	P.AFZAL KHAN	1BA	190310111012	P. Afzal
3	S.BIBI AYESHA	1BA	190310111013	S. Bibi Ayesha
4	S.AFSANA	1BA	190310111014	Afsana
5	S.AFZAL	1BA	190310111015	Afzal
6	S.BABA FAKRUDDIN	1BA	190310111016	S. Babar
7	S.DARBAR	1BA	190310111017	S. Darbar
8	S.FAHEEM	1BA	190310111018	S. Faheem
9	S.FAHIMIDA	1BA	190310111019	S. Fahimida
10	S.IMAM HUSSAIN	1BA	190310111020	S. Imam Hussain
11	S.MEERA VALI	1BA	190310111021	S. Meera Vali
12	S.MOHAMMAD	1BA	190310111022	S. Mohammad
13	S. MOHAMEED SAWOOD	1BA	190310111023	S. Mohameed S.
14	S.MOHAMEED GHOUSE	1BA	190310111024	S. Mohameed G.
15	S.NAFEESA	1BA	190310111025	S. Nafeesa
16	S.NOOR ALI SHA	1BA	190310111026	S. Noor Ali Sha
17	S. SHABAZ ALI	1BA	190310111027	S. Shabaz Ali
18	S.SHAHEENA BEGUM	1BA	190310111028	S. Shaheena Begum
19	S.SOFIYA BEGUM	1BA	190310111029	S. Sofiya Begum
20	SHAIK YOUNUS BASHA	1BA	190310111030	S. Shaik Younus Basha
21	S .ABDUL AZEEZ	1BA	190310111031	S. Abdul Azeez
22	SHAIK NIHA	1BA	190310111032	S. Niha
23	SYED AMEEN PEER	1BA	190310111033	S. Ameen Peer
24	SYED BASHA	1BA	190310111034	Syed. Basha
25	SYED MANSOOR	1BA	190310111035	S. Mansoor
26	SYED NAMEERA	1BA	190310111036	S. Nameera
27	SHAIK JABEENA	1BA	190310111037	S. Jabeena

Certificate Course Attendance Register

Sl No	Name of the Student	10/02/2018	11/02/2018	12/02/2018	13/02/2018	14/02/2018	15/02/2018	16/02/2018	17/02/2018	18/02/2018	19/02/2018	20/02/2018	21/02/2018	22/02/2018	23/02/2018	24/02/2018	25/02/2018	26/02/2018	27/02/2018	28/02/2018	
1	pathan Afzal Khan	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
2	Mayana Afzal Ali Khan	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
3	Shaik Bibi Ayesha	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
4	Shaik Afsana	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
5	Shaik Afzal	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
6	Shaik Baba Fakrudin	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
7	Shaik Darbar	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
8	Shaik Faheem	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
9	Shaik Fahrida	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
10	Shaik Imam Hussain	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
11	Shaik Meeran Vali	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
12	Shaik Muhammad	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
13	Shaik MD Saubod	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
14	Shaik MD Bhausk	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
15	Shaik Nafeesa	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
16	Shaik Noor Ali Sha	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
17	Shaik Shobag Ali	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
18	Shaik Braheena Begum	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
19	Shaik Saifiya Begum	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
20	Shaik Syrus Basha	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
21	Shaik Abdul Azeez	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
22	Shaik Nitha	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
23	Syed Arneen pees	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
24	Syed Easharullah	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
25	Syed Mansoor	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
26	Syed Narmeera	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
27	Shaik Jabbera	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P

فہم

GOVERNMENT DEGREE COLLEGE RAYACHOTY

DEPARTMENT OF URDU

CERTIFICATE COURSE-2019-2020

SPOKEN ARABIC

Course Objectives:

Urdu is largely made of words taken from the Arabic, Persian, and Sanskrit languages. Arabic and Urdu are linguistically related. Urdu and Arabic are two languages that are usually associated with the Indo -Arabic community. Arabic which is spoken in many regions of the world, can be said to be the origin of Urdu. Due to their historical connection, there are many similarities between the two languages.

SYLLABUS:

- i. UNIT: a) Introduction of Arabic language
b) Brief History of Arabic Language
c) Learning the alphabet-Writing
- ii. UNIT: QAWAID (Grammar)
a) FAYL b) ISM
- iii. UNIT: MUHADATHA (Conversation)
a) MUKALIMA b) MUKHATIBA c) MUHAVIRAH

Learning Outcomes:

After the completion of learning Arabic course, students will be able to obtain a "general use" of the language; they will achieve the following:

- write and read Arabic almost perfectly, even without using vowel signs.
- Understand much of standard Arabic language by listening, as well as, depending on student skills, a basic level of speaking.
- Read, understand, ANALYZE and translate moderate Arabic texts and a wide scale of primary historical resources.
- Get essential bases for further learning of the language in the future.

GOVERNMENT DEGREE COLLEGE,

RAYACHOTY, KADAPA DISTRICT, A.P.516269

(Accredited with C grade by NAAC)

Department of Urdu

Question paper of Certificate Course

SPOKEN ARABIC

تمام سوالات کے جواب لازمی ہیں۔

نشانات 10X 5=50۔

- 1- عربی کے حروف تہجی لکھیے۔
- 2- ہفتہ کے سات دنوں کے نام عربی میں لکھیے۔
- 3- ایک سے بیس تک کی گنتی عربی میں لکھیے۔
- 4- کوئی دس رشتوں کے نام عربی میں لکھیے۔
- 5- عربی میں سوال بنانے والے چند حروف کے نام لکھیے۔

FEED BACK FORM

On

Certificate Course: "Spoken Arabic"

Dear Participants,

We value your feedback on our certificate course "Spoken Arabic". Your input is essential to help us improve and better serve your educational needs. Please take a moment to complete this questionnaire.

Please indicate tick mark among options mentioned against each question.

Name of the student: SYED...NAMEERA... (optional)

Class:.....

S.No	Question	Strongly agree	Agree	Disagree	Strongly disagree
1.	The objectives of the course were clearly defined		✓		
2	Instructor was well prepared to the classes	✓			
3	Time allotted for the course was sufficient		✓		
4	The course objectives were met		✓		
5	Participation and interaction were encouraged	✓			

Any other suggestions:



GOVERNMENT DEGREE COLLEGE,

A R RAYACHOTY, KADAPA DISTRICT, A.P.516269

(Accredited with C grade by NAAC)



Department of Urdu

Certificate of Participation

This is to certify that

SHAIK SOFIYA BEGUM

Govt Degree College (Rayachoty)

has successfully completed 30
Days certificate course on SPOKEN ARABIC conducted by Department of
urdu from 14-08-2019 TO 25-09-2019

Dr.Syed.Vasiullah Bhakthiyari

Lecturer in urdu

GDC RAYACHOTI

Smt.B.Sivamma

PRINCIPAL(FAC)

GDC RAYACHOTI



GOVERNMENT DEGREE COLLEGE, RAYACHOTY

(Affiliated to Yogi Vemana University)

Chittor Road, Rayachoty, Kadapa (Dist.)

ACCREDITED BY NAAC WITH "C" GRADE



DEPARTMENT OF URDU
Certificate Course

On

"BUNYADI AROOZ AUR BALAGATH"

GROUP BA HUP URDU MEDIUM STUDENTS

Academic Year 2019-2020

Topic: "BUNYADI AROOZ AUR BALAGATH"

GROUP: BA HUP Urdu Medium

Certificate Course Convener :

Dr Syed Vasiulla Bakhtiyari

Lecturer in URDU

Government Degree College, Rayachoty

PIN : 516269



GOVERNMENT DEGREE COLLEGE,
RAYACHOTY, KADAPA DISTRICT, A.P.516269
(Accredited with C grade by NAAC)



Department of Urdu

From
Dr.Syed Vasiulla Bhakthiyari
Head of Department of Urdu
Government Degree College
Rayachoty.

To
Principal
Government Degree College
Rayachoty.

Subject: Request to Conduct Certificate Course on "Basics Urdu prosody & Rhetorics"

Respected Madam,

I am writing to seek your approval to conduct a certificate Course on "Bunyadi Arooz Aur Balagath" (Basics Urdu prosody & Rhetorics") at Government Degree College, Rayachoty, from 24-01-2020 To 28-02-2020 This course aims to provide the students about basics of urdu poetry and also useful to the students for higher education. It will enrich their knowledge in the subject.

The course will be coordinated by Dr.S.Farook Basha, Lecturers in Urdu.. The duration of the course will be 30 hours, and it will be held at Government Degree College, Rayachoti. The registration fee for the course is free of charge, and the registration deadline is 20-01-2020. I assure you that all necessary arrangements will be made to ensure the smooth conduct of the course, and the schedule will not interfere with regular academic activities. I kindly request your permission to proceed with the organization of this course.

Thank you for considering this request. I look forward to your positive response.

Sincerely,

Government Degree College,
Rayachoti



GOVERNMENT DEGREE COLLEGE, RAYACHOTY
KADAPA DISTRICT, A.P.516269
(Accredited with C grade by NAAC)
Department of Urdu



Date: 10.01.2020

CIRCULAR

To,
All students and faculty Members,
Government Degree College Rayachoty.

Subject: Certificate Course “Basics Urdu prosody & Rhetorics”

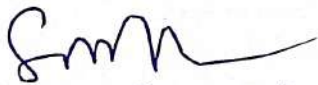
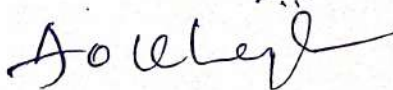
Dear Sir/Madams,

We are pleased to announce a certificate course on “Basics Urdu prosody & Rhetorics” to be conducted at Government Degree college Rayachoty. This course aims to provide the poetic knowledge of “Basics Urdu prosody & Rhetorics” for the students and faculty members.

Course Details

Course Duration: 24-01-2020 To 28-02-2020 (30 Hours)
Venue: Government Degree College Rayachoty
Course Co-ordinator: Dr.Syed Vasiullah Bhakthiyari
Registrations Deadlines: 23-01-2020
Registration Fee: Free

Interested participants are requested to register for the course by filling out the registration form available in the Department of Urdu.


Md. Ismail


GOVERNMENT DEGREE COLLEGE, RAYACHOTI,

Department of Urdu

Student list enrolled in certificate course

II & III BA(HPU) 2019-20

Title: Basic Urdu Prosody & Rhetorics

S.N o	Name of the student	Hall ticket Number	Signature
1	G.Ziauddin	180310111001	Z. Ziauddin
2	L.Abbas	180310111002	L. Abbas
3	S.MD.Sajid	180310111003	S. MD. Sajid
4	S.Riyaz Ali	180310111004	Riyaz Ali
5	S.Abdul Samad	180310111005	R. Riyaz Ali
6	S.Abbas	180310111008	S. Abbas
III BA(HPU)			
7	P.Sumaiah	170310111003	P. Sumaiah
8	S.Abdullah	170310111004	Abdullah
9	S.Arifullah	170310111006	S. Arif
10	S.Fayaz	170310111007	S. Fayaz
11	S.Rahamatullah	170310111009	S. Raheem
12	S.Sirajuddin	170310111010	S. Sirajuddin
13	S.Umar Farook	170310111011	S. Umar Farook
14	S,Sabiha	170310111012	S. Sabiha

Certificate Course - Attendance Register

2023-24

Sl. No.	Name	1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	J. Ibrahim	P	P	P	P	P	P	P	P	P	P	P	P	P	P
2	L. Abbas	P	P	P	P	P	P	P	P	P	P	P	P	P	P
3	S. Md. Sajid	P	P	P	P	P	P	P	P	P	P	P	P	P	P
4	S. Riyaz Afi	P	P	P	P	P	P	P	P	P	P	P	P	P	P
5	S. Abdul Samad	P	P	P	P	P	P	P	P	P	P	P	P	P	P
6	S. Abbas	P	P	P	P	P	P	P	P	P	P	P	P	P	P
7	P. Sumaiyah	P	P	P	P	P	P	P	P	P	P	P	P	P	P
8	S. Abdululkh	P	P	P	P	P	P	P	P	P	P	P	P	P	P
9	S. Bijulika	P	P	P	P	P	P	P	P	P	P	P	P	P	P
10	S. Fajaz	P	P	P	P	P	P	P	P	P	P	P	P	P	P
11	S. Rahemullah	P	P	P	P	P	P	P	P	P	P	P	P	P	P
12	S. Sirejuddin	P	P	P	P	P	P	P	P	P	P	P	P	P	P
13	S. Umar Fozwan	P	P	P	P	P	P	P	P	P	P	P	P	P	P
14	S. Sabir	P	P	P	P	P	P	P	P	P	P	P	P	P	P

GOVT DEGREE COLLEGE, RAYACHOTI

Department of urdu

Prescribed Syllabus: Certificate Course in Urdu, Academic Year 2019-20

BUNIYADI AROOZ AUR BALAGHATH (Basic Urdu Prosody & Rhetorics)

Unit I	علم عروض: تعارف، اہمیت اور ضرورت: بنیادی عروضی نکات Ilm e Arooz (Urdu Prosody) : Introduction, Importance and Necessity, Basics of Urdu Prosody, Units of Urdu Prosody, Metre, Rhyming Words.
Unit II	بحور: تعارف، اہمیت اور ضرورت؛ سالم بحور، مزاحف بحور Bahoor (Metres) : Introduction, Importance and Necessity, Types of Metres, Quatrain Metres, Metres frequently used in Urdu Poetry, Scansion.
Unit III	علم بیان: تعارف، اہمیت اور ضرورت: تشبیہ، استعارہ، مجاز مرسل Ilm e Bayan (Discourse) : Introduction, Importance and Necessity, Branches of Discourse: Tash'beeh, Iste;ara, Majaz Mursal, Kanaya (Simile, Metaphor, Synechdoche, Metonymy.)
Unit IV	صنایع لفظی: تعارف اہمیت اور ضرورت: تجنیس، تکریر Sana'e Lafzi (Rhetorics) : Introduction, Importance and Necessity, Selected topics: Tajnees, Takreer, Talmeel, Fouqun Nuqath/Tahtun Nuqath/Riqtha/Ghair Manqooth.
Unit V	صنایع معنوی: تعارف، اہمیت اور ضرورت: ایہام حشو، لف و نشر Sana'e Ma'navi (Rhetorics) : Introduction, Importance and Necessity, Selected topics: Eeham, Hashv, Laf o Nashr, Mura'athun Nazeer.

Suggest Books

درس بلاغت: شمش الرحمن فاروقی

عروض و آہنگ: شمش الرحمن فاروقی

GOVERNMENT DEGREE COLLEGE,
RAYACHOTY, KADAPA DISTRICT, A.P.516269
(Accredited with C grade by NAAC)

Department of Urdu

Certificate Course: BUNYADI AROOZ AUR BALAGHATH

بنیادی عروض اور بلاغت

Course Outcomes:

- (1) Apply the skills of Ilm e Arooz and identifying the phrases in poetry.
- (2) Applying the rules of Balaghat in the critical appreciation of various Poetic Genres.
- (3) Build an understanding about the virtues of various genres of Urdu poetry.

GOVERNMENT DEGREE COLLEGE,

RAYACHOTY, KADAPA DISTRICT, A.P.516269

(Accredited with C grade by NAAC)

Department of Urdu

Question paper of Certificate Course

BASIC URDU PROSODY & RHETORICS

علم عروض و بلاغت پر سوالات

تمام سوالات کے جواب لازمی ہیں۔

نشانات 10X 5=50-

1. علم عروض پر اظہار خیال کیجئے۔
2. علم بلاغت پر اظہار خیال کیجئے۔
3. تقطیع کسے کہتے ہیں۔
4. اردو مستعمل چند معروف بحروں کے نام لکھیے۔
5. درجہ ذیل شعر کی تقطیع کیجیے۔

دہر میں نقش وفا وجہ تسلی نہ ہوا
ہے یہ وہ لفظ کہ شرمندہ معنی نہ ہوا

GOVT DEGREE COLLEGE, RAYACHOTI

FEED BACK FORM

On

Certificate Course: "BASIC URDU PROSODY & RHETORICS"

بنیادی عروض اور بلاغت

Dear Participants,

We value your feedback on our certificate course "Basic urdu prosody & Rhetorics" Your input is essential to help us improve and better serve your educational needs. Please take a moment to complete this questionnaire.

Please indicate tick mark among optioned mentioned against each question.

Name of the student: S. Uma. Fayook....(optional)

Class: BA-HPU

S.N	Question	Strongly agree	Agree	Disagree	Strongly disagree
0					
1.	The objectives of the course were clearly defined	✓			
2	Instructor was well prepared to the classes	✓			
3	Time allotted for the course was sufficient		✓		
4	The course objectives were meet	✓			
5	Participation and interaction were encouraged	✓			

Any other suggestions:



GOVERNMENT DEGREE COLLEGE,

A R RAYACHOTY, KADAPA DISTRICT, A.P.516269

(Accredited with C grade by NAAC)



Department of Urdu

Certificate of Participation

This is to certify that L. Abbas II BA .H.P.U
Gov't Degree College Rayachoty has successfully completed 30
Days certificate course on BASIC URDU PROSODY & RHETORICS conducted
by Department of urdu from 24-1-2020 TO 28-02-2020

(Signature)

Dr.Syed.Vasiullah Bhakthiyari

Lecturer in urdu

GDC RAYACHOTI

(Signature)

PRINCIPAL

GDC RAYACHOTI



GOVERNMENT DEGREE COLLEGE, RAYACHOTY

(Affiliated to Yogi Vemana University)

Chittor Road, RAYACHOTY, YSR KADAPA Dist



DEPARTMENT OF POLITICAL SCIENCE

A CERTIFICATE COURSE ON

“ E-GOVERNANCE “

GROUP: III BA HEP, I BA HEP

Academic Year 2019-2020



Topic: E-GOVERNANCE (30 HOURS)

GROUP: III BA HEP, I BA HEP

Certificate Course Convener :
SMD BASHA
Lecturer in Political Science
Government Degree College, Rayachoty
PIN : 516269



GOVERNMENT DEGREE COLLEGE,

RAYACHOTY, YSR KADAPA DISTRICT, A.P.516269

(Accredited with C grade by NAAC)



Department of Political Science

From
S.Mohammad Basha
Department of Political Science
Government Degree College
Rayachoti

To
B R Sailaja,
Principal
Government Degree College
Rayachoti

Subject: Request to Conduct Certificate Course on "E-GOVERNANCE"

Respected Madam,

I am writing to seek your approval to conduct a Certificate Course on " E-Governance" at Government Degree College, Rayachoti, from 01-02-2020 to 07-03-2020. This course aims to provide an in-depth understanding of the E-Governance, offering an invaluable learning opportunity for students and faculty members interested in the field of Characteristics of E-Governance.

The course will be coordinated by Mr.S Mohammad Basha Lecturer in Political Science. The duration of the course will be 30 hours, and it will be held at Government Degree College, Rayachoti. The registration fee for the course is free of charge, and the registration deadline is 31-01-2020. I assure you that all necessary arrangements will be made to ensure the smooth conduct of the course, and the schedule will not interfere with regular academic activities. I kindly request your permission to proceed with the organization of this course.

Thank you for considering this request. I look forward to your positive response.

Sincerely,


Department of Political science

Government Degree College,

Rayachoti.


PRINCIPAL
Govt. Degree College
Rayachoty.



GOVERNMENT DEGREE COLLEGE,
RAYACHOTY, YSR KADAPA DISTRICT, A.P.516269
(Accredited with C grade by NAAC)



Department of political science

Date: 31.01.2020

CIRCULAR

To,
All students and faculty Members,
Government Degree College Rayachoty.

Subject: Certificate Course on E-Governance

Dear Sir/Madams,

We are pleased to announce a certificate course on E-Governance to be conducted at Government Degree college Rayachoty. This course aims to provide the best Issues of Good Governance for the students and faculty members.

Course Details

Course Duration: 01-02-2020 to 07-03-2020 (30 Hours)

Venue: Government Degree College Rayachoty

Course Co-Ordinator: S.Mohammad Basha

Registration Fee: Free

Interested participants are requested to register for the course by filling out the registration form available in the Department of Political Science.

CPD
Enrollment

Shah

Shah

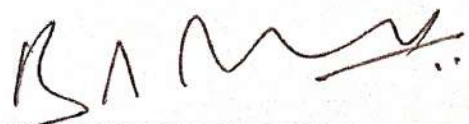
Shah

Shah

Participated Students List 2019-2020

S.NO	Name of the Students	Group	SIGNATURE OF THE STUDENT
1.	B.CHENNAKARJUNA	I BA HEP	B. Chennakarjuna
2.	B.SANTHOSH NAIK	I BA HEP	B. Santhosh Naik
3.	K.GHOUSE LAZAM	I BA HEP	K. Ghouse Lazam
4.	K.GURUSIVA KUMAR	I BA HEP	K. gurusiva Kumar
5.	K.GANGARAJU	I BA HEP	K. Gangaraju
6.	P.KIRAN DEEPAK	I BA HEP	p. kiran deepak
7.	R.SAGAR	I BA HEP	R. Sagar
8.	S.ALTHAF	I BA HEP	S. Althaf
9.	S.MASTHAN VALI	I BA HEP	S. Masthan vali
10.	S.NARESH NAIDU	I BA HEP	S. Naresh naidu
11.	O.PAVAN KUMAR	III BA HEP	O. Pavan Kumar


 SIGNATURE OF THE LECTURER


 SIGNATURE OF THE PRINCIPAL
PRINCIPAL
 Govt. Degree College
 Rayachoty.

Certificate Course in E-Governance (30 Hours)

Module 1: Introduction to E-Governance (5 Hours)

- **Concept and Definition** - - Understanding E-Governance - - Difference between E-Governance and Traditional Governance - - **Evolution and Importance** - - History and Evolution of E-Governance - - Importance and Benefits of E-Governance - - **Models of E-Governance** - - Government to Citizen (G2C) - - Government to Business (G2B) - - Government to Government (G2G) - - Government to Employees (G2E)-

Module 2: E-Governance Infrastructure and Technologies (6 Hours)

- **ICT in E-Governance** - - Role of Information and Communication Technology - - Key Technologies Used - - **E-Governance Infrastructure** - - Hardware and Software Requirements - - Network Infrastructure - - Data Centers and Cloud Computing - - **Digital Platforms and Tools** - - E-Government Portals - - Mobile Platforms - - Social Media and E-Governance

Module 3: E-Governance Applications (5 Hours)

- **Case Studies** - - Successful E-Governance Projects Worldwide - - Key Learnings from Failures - - **Sector-wise Applications** - - E-Governance in Healthcare - - E-Governance in Education - - E-Governance in Public Services - - **Citizen-Centric Services** - - Digital Identity (e.g., Aadhar in India) - - Online Service Delivery - - E-Payment Systems

Module 4: Policy, Legal, and Ethical Framework (4 Hours)

- **Policy Framework** - - National E-Governance Plans - - International Policies and Best Practices - - **Legal Framework** - - Cyber Laws - - Data Protection and Privacy Laws - - **Ethical Considerations** - - Ethical Issues in E-Governance - - Ensuring Transparency and Accountability

Module 5: Implementation and Management of E-Governance Projects (5 Hours)

- **Project Planning and Management** - - Steps in E-Governance Project Planning - - Risk Management - - **Change Management** - - Handling Resistance to Change - - Training and Capacity Building - - **Public-Private Partnerships (PPPs)** - - Role of PPPs in E-Governance - - Case Studies of Successful PPPs

Module 6: Challenges and Future Trends in E-Governance (3 Hours)

- **Challenges** - - Technical Challenges - - Financial Challenges - - Social and Cultural Challenges - - **Future Trends** - - Emerging Technologies (AI, Blockchain, IoT) - - Future of Digital Governance - - Innovations in Service Delivery

Module 7: Practical Sessions and Project Work (2 Hours)

- **Practical Sessions** - - Hands-on with E-Governance Tools and Platforms - - Simulations and Role Plays - - **Project Work** - - Developing a Mini E-Governance Project - - Presentation and Peer Review

- 23. b) Social Media
- 24. b) Openness in government processes
- 25. b) Internet of Things (IoT)

Certificate Course in E-Governance: Learning Outcomes

Upon successful completion of the Certificate Course in E-Governance, participants will be able to:

1. **Understand E-Governance Concepts and Principles**
2. **Recognize the Importance and Benefits of E-Governance**
3. **Identify and Differentiate E-Governance Models**
4. **Apply Knowledge of ICT in E-Governance**
5. **Implement E-Governance Applications and Services**
6. **Understand Policy, Legal, and Ethical Frameworks**
7. **Manage E-Governance Projects Effectively**
8. **Analyze Challenges and Future Trends**
9. **Develop Practical Skills and Execute Projects**
10. **Engage in Continuous Learning and Professional Development**

Multiple Choice Questions on E-Governance

1. ****What does E-Governance stand for?***
 - a) Electronic Government
 - b) Efficient Government
 - c) E-Government
 - d) Engaging Government
2. ****Which model of E-Governance focuses on interactions between government and citizens?***
 - a) G2B
 - b) G2G
 - c) G2C
 - d) G2E
3. ****Which of the following is a key benefit of E-Governance?***
 - a) Increased bureaucracy
 - b) Greater transparency
 - c) Higher costs
 - d) Reduced accessibility
4. ****What is the role of ICT in E-Governance?***
 - a) Reduce communication
 - b) Facilitate public administration
 - c) Increase paper usage
 - d) None of the above
5. ****Which technology is commonly used in E-Governance for secure data storage?***
 - a) Blockchain
 - b) Manual filing
 - c) Fax machines
 - d) Typewriters
6. ****What is the primary purpose of a national E-Governance plan?***
 - a) To reduce internet usage
 - b) To develop a framework for E-Governance

- c) To increase paper documentation

- d) To promote telecommunication

7. ****Which sector has seen significant improvements due to E-Governance initiatives?*****

- a) Agriculture

- b) Healthcare

- c) Mining

- d) Manufacturing

8. ****What is a digital identity system in E-Governance?*****

- a) A physical ID card

- b) An online identity verification system

- c) A government-issued license

- d) A personal signature

9. ****Which is an example of a G2C service?*****

- a) Online tax filing

- b) Business registration

- c) Inter-department communication

- d) Employee payroll system

10. ****What does PPP stand for in the context of E-Governance?*****

- a) Public-Public Partnership

- b) Private-Public Partnership

- c) Personal-Professional Partnership

- d) Policy-Public Partnership

11. ****What is a significant challenge in E-Governance implementation?*****

- a) Unlimited funding

- b) Uniform technology

- c) Resistance to change

- d) High user adoption

12. ****Which law is crucial for protecting data in E-Governance?*****

- a) Labor Law

- b) Cyber Law

- c) Criminal Law

- d) Property Law

13. **Which technology is emerging as important for future E-Governance applications? **

- a) Fax

- b) Artificial Intelligence

- c) Typewriters

- d) Rotary phones

14. **Which of the following is NOT a goal of E-Governance? **

- a) Enhancing efficiency

- b) Promoting transparency

- c) Increasing corruption

- d) Facilitating citizen engagement

15. **Which of these is a type of E-Governance infrastructure? **

- a) Data centers

- b) Local markets

- c) Traditional mail

- d) Physical file storage

16. **What is a key component of change management in E-Governance? **

- a) Ignoring feedback

- b) Increasing resistance

- c) Training and capacity building

- d) Reducing transparency

17. **What is the purpose of online service delivery in E-Governance? **

- a) To complicate access to services

- b) To make services available 24/7

- c) To increase physical office visits

- d) To reduce digital interactions

18. **What is a common ethical issue in E-Governance? **

- a) Data privacy concerns

- b) Too much transparency

- c) High costs
- d) Lack of bureaucracy

19. **Which tool is often used for E-Government portals? **

- a) Websites
- b) Paper forms
- c) Fax machines
- d) Typewriters

20. **What is an example of a Government to Business (G2B) service? **

- a) Voter registration
- b) Business licensing
- c) Inter-departmental memos
- d) Employee benefits

21. **Which international organization promotes E-Governance? **

- a) WHO
- b) UNESCO
- c) UNDP
- d) FIFA

22. **What is a critical factor for the success of E-Governance projects? **

- a) High resistance to change
- b) Adequate funding and resources
- c) Lack of training
- d) Reducing technology usage

23. **Which platform is increasingly used for citizen engagement in E-Governance? **

- a) Television
- b) Social Media
- c) Newspapers
- d) Radio

24. **What does "transparency" in E-Governance refer to? **

- a) Hidden operations
- b) Openness in government processes

- c) Lack of accountability

- d) Increased secrecy

25. ****Which of the following can be a future trend in E-Governance?*****

- a) Manual data entry

- b) Internet of Things (IoT)

- c) Increased paperwork

- d) Decreasing use of technology

Answer Key

1. c) E-Government

2. c) G2C

3. b) Greater transparency

4. b) Facilitate public administration

5. a) Blockchain

6. b) To develop a framework for E-Governance

7. b) Healthcare

8. b) An online identity verification system

9. a) Online tax filing

10. b) Private-Public Partnership

11. c) Resistance to change

12. b) Cyber Law

13. b) Artificial Intelligence

14. c) Increasing corruption

15. a) Data centers

16. c) Training and capacity building

17. b) To make services available 24/7

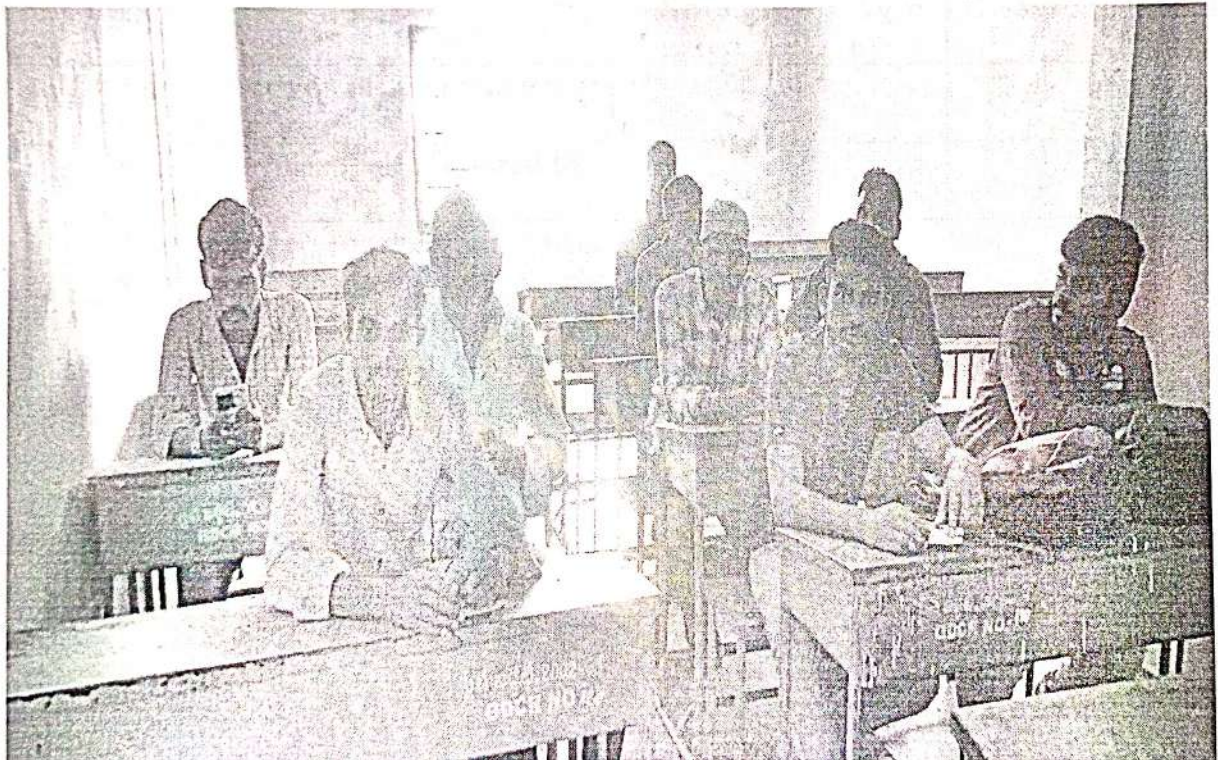
18. a) Data privacy concerns

19. a) Websites

20. b) Business licensing

21. c) UNDP

22. b) Adequate funding and resources



FEED BACK FORM

On

Certificate Course: E-GOVERNANCE

Dear Participants,

We value your feedback on our certificate course, " E-GOVERNANCE " Your input is essential to help us improve and better serve your educational needs. Please take a moment to complete this questionnaire.

Please indicate tick mark among optioned mentioned against each question.

Name of the student: K GANGA RAJU (optional)

Class: I BA (HEP)

S.No	Question	Strongly agree	Agree	Disagree	Strongly disagree
1.	The objectives of the course were clearly defined	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2	Instructor was well prepared to the classes	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3	Time allotted for the course was sufficient	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4	The course objectives were meet	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5	Participation and interaction were encouraged	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Any other suggestions:

GOVERNMENT DEGREE COLLEGE, RAYACHOTY

Affiliated to Yogi Vemana University, Kadapa




CERTIFICATE

This is to certify that Mr/Miss **O.PAVAN KUMAR** Studying **III B.A. HEP** has successfully completed the Certificate Course

in **E-GOVERNANCE** from 01-02-2020 to 07-03-2020 conducted by the Department of **POLITICAL SCIENCE** during the

Academic Year 2019-2020



Co-ordinator



Principal

GOVERNMENT DEGREE COLLEGE

RAYACHOTY - 516269, KADAPA DISTRICT. (A.P.)

(Accredited with C Grade by NAAC)



**CERTIFICATE COURSE
ON
AGRICULTURE AND RURAL DEVELOPMENT**

DEPARTMENT OF BOTANY

2019-2020

Certificate Course Convener:
N.RAJA SEKHAR REDDY
LECTURER IN BOTANY
Government Degree College, Rayachoty



GOVERNMENT DEGREE COLLEGE,

RAYACHOTY, YSR KADAPA (DISTRICT), A.P. 516269

(Accredited with C grade by NAAC)

Department of Botany



From
N. Raja Shekar Reddy
Department of Botany,
Government Degree College
Rayachoty.

To
B. Sivamma
Principal
Government Degree College
Rayachoty.

Subject: Request to Conduct Certificate Course on "AGRICULTURAL AND RURAL DEVELOPMENT."

Respected Madam,

I am writing to seek your approval to conduct a Certificate Course on "AGRICULTURAL AND RURAL DEVELOPMENT." at Government Degree College, Rayachoti, from 29.11.2019 to 31.01.2020. This course aims to provide an in-depth understanding of the "AGRICULTURAL AND RURAL DEVELOPMENT."

The course will be coordinated by Mr. N. Raja Sekhar Reddy, Lecturer in Botany. The duration of the course will be 30 hours, and it will be held at Government Degree College, Rayachoti. The registration fee for the course is free of charge, and the registration deadline is 28.11.2019. I assure you that all necessary arrangements will be made to ensure the smooth conduct of the course, and the schedule will not interfere with regular academic activities. I kindly request your permission to proceed with the organization of this course.

Thank you for considering this request. I look forward to your positive response.

Sincerely,


Dept. of Botany

Government Degree College,
Rayachoty.



GOVERNMENT DEGREE COLLEGE,

RAYACHOTY, YSR KADAPA (DISTRICT), A.P.516269

(Accredited with C grade by NAAC)

Department of Botany



Date: 28.11.2019

CIRCULAR

To,
All students and faculty Members,
Government Degree College ,
Rayachoty.

Subject: Certificate Course on Agriculture and Rural Development.

Dear Sir/Madams,

We are pleased to announce a certificate course on Agriculture and Rural Development. to be conducted at Government Degree college Rayachoty. This course aims to provide the practical knowledge and skill development for the students.

Course Details

Course Duration: 29.11.2019 to 31.01.2020 (30 Hours)

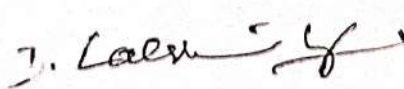


Venue: Government Degree College Rayachoty.

Course Co-Ordinator: N. Raja Shekar Reddy

Registration Fee: Free

Interested participants are requested to register for the course by filling out the registration form available in the Department of Botany.


28-11-2019

GOVERNMENT DEGREE COLLEGE, RAYACHOTY.

DEPARTMENT OF BOTANY

STUDENT LIST ENROLLED IN CERTIFICATE COURSE

SUBJECT: AGRICULTURE AND RURAL DEVELOPMENT
TITLE: FUNDAMENTALS OF AGRONOMY COURSE

List of the students successfully completed the course.

This course was conducted from **29.11.2019 TO 31.01.2020**

2019-2020

S.NO	STUDENT NAME	CLASS	S.NO	STUDENT NAME	CLASS
1	G.PRAVEEN KUMAR	1BZC	11	N.SATISH KUMAR	1BZC
2	D.GANGADHARA	1BZC	12	P.RAM MOHAN	1BZC
3	S.IRFAN BASHA	1BZC	13	S.MAHABOOB BASHA	1BZC
4	S.AKBAR BASHA	1BZC	14	G.HAJEERA	1BZC
5	SHAIK.YASAR	1BZC	15	SMD.SUHAIL	11BZC
6	B.RAGAVULU	1BZC	16	B.RAJESH KUMAR	11BZC
7	B.SAI KUMAR	1BZC	17	U.SIVA SAI KUMAR	11BZC
8	B.SATISH NAIK	1BZC	18	SMD.SUHAIL	111BZC
9	E.DEVA	1BZC	19	B.RAJESH KUMAR	111BZC
10	M.REDDAPPA REDDY	1BZC	20	U.SIVA SAI KUMAR	111BZC

GOVERNMENT DEGREE COLLEGE, RAYACHOTY
DEPARTMENT OF BOTANY
CERTIFICATE COURSE
ON
SUBJECT: AGRICULTURE AND RURAL DEVELOPMENT
COURSE: FUNDAMENTALS OF AGRONOMY COURSE

UNIT-I: (6Hrs.)

1. Definition of agriculture – meaning and scope of agronomy
2. History and development of agriculture in ancient India – agriculture in civilization era
3. National and International Agricultural Research Institutes in India
4. Agro-climatic zones of India – soils, land use pattern, major sources of irrigation and ground water potential
5. Agro-climatic zones of Andhra Pradesh – soils, land use pattern, major sources of irrigation and ground water potential
6. Tillage and tilth – objectives of tillage – characteristics of ideal seed bed – effect of tillage on soil properties – pore space, texture, structure, bulk density and color of the soil

UNIT-IV

(6Hrs.)

1. Types of tillage – preparatory tillage – factors affecting preparatory cultivation, after cultivation, puddling
2. Sowing – methods of sowing – time and depth of sowing for major agricultural crops – cereals, pulses and oilseeds
3. Crop stand establishment – factors affecting optimum stand establishment
4. Planting geometry – competition – types of competition, intra and inter plant competition – plant population – effect of plant population on growth and yield – optimum plant density and planting pattern
5. Soil fertility – soil fertility and soil productivity – fertility losses – maintenance of soil fertility – soil organic matter
6. Weed control – definition of weed – losses and uses of weeds – weed influence on crop production – methods of weed control

GOVERNMENT DEGREE COLLEGE

RAYACHOTY – 516269, KADAPA DISTRICT. (A.P.)

(Accredited with C Grade by NAAC)

CERTIFICATE COURSE IN AGRICULTURE AND RURAL DEVELOPMENT

OUTCOMES

1. Understand the impact of the professional agricultural solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
2. To demonstrate research based knowledge of the legal and ethical environment impacting agriculture organizations and exhibit an understanding and appreciation of the ethical implications of decisions.
3. To demonstrate an understanding of and appreciation for the importance of the impact of globalization and diversity in modern agriculture organizations. Understanding of globalization, and NGO working
4. To demonstrate an ability to engage in critical thinking by analyzing situations and constructing and selecting viable solutions to solve problems. Ability to work effectively with others. To develops analytical ability and team work spirit.
5. To understand and analyze the current events and issues that are occurring in agriculture and how they affect futuristic agriculture.
5. Able to recognize and examine the relationships between inputs and outputs in their agricultural field to make effective and profitable decisions. To understand mechanics of agripreneurship
6. Understand how all aspects of agriculture combine and are used by scientists, marketers, producers and understand how employer characteristics and decision-making at various levels enhance the success of an agricultural enterprise. To understand components of agri business and economics of market.
7. Able to demonstrate critical thinking and problem solving skills as they apply to a variety of animal and or plant production systems .To understand problem solving skills in crop production and animal husbandry.
8. Knowledge of Weather codes and Symbols, Reading and Recording of weather and climatic data. To get trained for climatologically records, soil data and soil nutrition.
9. To develop critical and self-critical opinion and approach aiming at solving the most important practical problems in the field of plant protection by applying gained competencies and in accordance with high standards of academic integrity (ethics and moral) both in the profession and in society as a whole. To develop competence to work in Government, public and private sectors.
10. Demonstrate knowledge and understanding in horticulture section: The breadth and depth of the profession of horticulture. Basic horticulture biology: taxonomy, anatomy, morphology, and physiology. The characteristics of the environment and their influence on plant growth and development.
11. Current applications of horticultural principles and practices: propagation, pest management, production, maintenance, and business practices. Comprehensive knowledge of horticultural production.

**DEPARTMENT OF BOTANY
CERTIFICATE COURSE EXAMINATION PAPER**

Title: FUNDAMENTALS OF AGRONOMY COURSE

Duration: 20 min.

1. Agriculture is a

- (A) Greek word
- (B) Latin word
- (C) German word
- (D) Spanish

Ans. B

2. The term agronomy is derived from

- (A) German word
- (B) Latin word
- (C) Spanish
- (D) Greek word

Ans. D

3. Primary resource for agriculture

- (A) Land, air and water
- (B) Seed, Fertilizer and Pesticide
- (C) Seed, air and water
- (D) Land, Fertilizer and water

Ans. A

4. Cultivation of rice begins in

(A) 2200 BC

(B) 5700 BC

(C) 7700 BC

(D) 8700 BC

Ans. A

5. The book 'Horse hoeing husbandry' was published by

(A) Van Helmont

(B) Gregor Johann Mendel

(C) Jethro tull

(D) None

Ans. C

6. The 'Annals of Agriculture' was published by

(A) Jethro Tull

(B) Aurther Young

(C) Van Helmont

(D) None

Ans. B

7. The book 'Element of Agricultural Chemistry' was published by

(A) Justus Von Liebig

(B) Sir Humphry Davy

(C) Van Helmont

(D) J.B. Lawes

Ans. B

8. Experiments on effect of manures on crop were initiated by

(A) Sir John Bannet Lawes

(B) G. J. Mendel

(C) Van Helmont

(D) Justus Von Liebig

Ans. A

9. (1674-1741 AD) conducted several experiments on plant nutrient and published a book, "Horse Hoeing Husbandry"

(A) Sir Humphry Davy

(B) Aristotal

(C) Jethro Tull

(D) Van Helmount

Ans. C

10. Kharif, Rabi and Zaid word belong to

(A) Urdu

(B) French

(C) Persian

(D) Arabic

Ans. D

11. Climate pertains to a

(A) Long period of time

(B) Short duration

(C) Medium duration

(D) None

Ans. A

12. Principles of mercury barometers was discovered by

(B) Aristotle

(C) Pliny

(D) Galileo

Ans. A

13. Instrument used for measuring wind velocity is known as

(A) Hydrometer

(B) Pyranometer

(C) Altimeter

(D) Anemometer

Ans. D

14. The term PET was coined by

(A) Sarkar and Biswas

(B) Haigreaves

(C) Thornthwaite

(D) Mendel

Ans. C

15. A rainy day called when rainfall received in 24 hrs

(A) >2.5 mm

(B) >3.0 mm

(C) >5.0 mm

(D) >1.0 mm

Ans. A

16. The best use of limited resources is studied under the law of

- (B) Opportunity cost
- (C) Diminishing returns
- (D) All of the above

Ans. A

17. Combination of crop production and milk production activities is an example of

- (A) Competitive
- (B) Complementary
- (C) Supplementary
- (D) None of the above

Ans. B

18. When TPP is maximum, the MPP will be

- (A) Maximum
- (B) Zero
- (C) Minimum
- (D) None of the above

Ans. B

19. Agricultural finance mainly concern with

- (A) Utilization of funds
- (B) Acquisition of funds
- (C) Utilization and Acquisition of funds both
- (D) None of the above

Ans. C

20. Product are at the maximum for a farm business when output is at a level where

- (A) $MC = AC$
- (B) $MR = AR$
- (C) $MR = AC$
- (D) $MC = MR$

Ans. D

21. Co-operatives for tribes are called as

- (A) Multi-purpose societies
- (B) Savita
- (C) Lead Bank
- (D) Large agriculture multi-purpose Cooperative Societies

Ans. D

22. A farmer can increase his farm income by

- (A) Increasing production
- (B) Reducing cost of production
- (C) Both A and B
- (D) None of the above

Ans. D

23. The regulated market have been established by

- (A) Central government
- (B) District Municipal Corporation
- (C) State government
- (D) Panchayats

Ans. C

24. Maximum profit is obtained at the point, where

- (A) $MP = AP$
- (B) $MP < AP$
- (C) $MP > AP$
- (D) None of the above.

Ans. D

25. What is the most important source of money lending to farmers in rural areas

- (A) Rural Banks
- (B) Local money lender
- (C) Nationalized banks
- (D) Cooperative agencies

Ans. B

26. Utility of last unit is called

- (A) Initial utility
- (B) Total utility
- (C) Marginal utility
- (D) Zero utility

Ans. C

27. Diversified farming is

- (A) Type of farming
- (B) System of farming
- (C) Both A and B
- (D) None of the above

Ans. A

28. National income denotes

- (A) Revenue of the government in one year
- (B) Sum total of all factor earnings in the country
- (C) Revenue of nationalized enterprises
- (D) Banks budgetary surplus of the government

Ans. B

29. Which of the following is management decision

- (A) Level of resource use
- (B) Selection of least cost
- (C) Enterprise mix
- (D) All of the above

Ans. C

30. Short term loan mainly given for purchase of

- (B) Seed
- (C) Heavy machinery
- (D) Bullock

Ans. B

FEED BACK FORM

On

Certificate Course: AGRICULTURE AND RURAL DEVELOPMENT

Dear Participants,

We value your feedback on our certificate course on "**AGRICULTURE AND RURAL DEVELOPMENT**". Your input is essential to help us improve and better serve your educational needs. Please take a moment to complete this questionnaire.

Please indicate tick mark among optioned mentioned against each question.

Name of the student: M. Reddappa Reddy (optional)

Class: III: B: 2 - c

S.No	Question	Strongly agree	Agree	Disagree	Strongly disagree
1.	The objectives of the course were clearly defined	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2	Instructor was well prepared to the classes	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3	Time allotted for the course was sufficient	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4	The course objectives were meet	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5	Participation and interaction were encouraged	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Any other suggestions: This course is very useful to future purpose to the students.

GOVERNMENT DEGREE COLLEGE, RAYACHOTY

Affiliated to Yogi Vemana University, Kadapa

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CERTIFICATE

This is certify that Mr/Miss M. Reddappa Reddy studying VI B.T.C has
Successfully completed the certificate course in **AGRICULTURE AND RURAL DEVELOPMENT**
Applications from 29.11.2019 to 31.01.2020 conducted by the
Department of Botany during the Academic Year 2019-2020


Co-ordinator


Principal

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RAYACHOTY