



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

---

**DEPARTMENT OF PHYSICS**

**A CERTIFICATE COURSE ON**

**SYNTHESIS AND CHARACTERIZATION OF  
NANOMATERIALS**

**Academic Year: 2022-2023**



**Topic: SYNTHESIS AND CHARACTERIZATION OF NANOMATERIALS (30 Hours)**

**Certificate Course Coordinators**

**B. Venkata Rao, Lecturer in Physics**

**B. Kiran Kumar, Lecturer in Physics**

From  
B. Kiran Kumar  
Lecturer in Physics  
Government Degree College  
Rayachoty

To  
Dr. Harshalatha  
Principal  
Government Degree College  
Rayachoty

Respected Madam,

**Subject:** Seeking Permission to Conduct Certificate Course on "Synthesis and Characterization of Nanomaterials"

We are writing to seek your kind permission to conduct a Certificate Course on "Synthesis and Characterization of Nano Materials" from 03-01-2023 to 20-02-2023 at Government Degree College, Rayachoti. This course is designed to provide an in-depth understanding of the synthesis and characterization techniques of nanomaterials, offering a valuable learning opportunity for our students and faculty members interested in the field of nanotechnology.

We plan to announce the course to all students and faculty members and have the registration forms available in the Department of Physics. This course will not only enhance the knowledge and skills of the participants but also contribute to the academic enrichment of our institution.

We kindly request your approval to conduct this certificate course as per the above schedule.

Thank you for considering our request.

Yours sincerely,

  
Mr. B. Kiran Kumar 16/12/22

Lecturer in Physics,

Government Degree College, Rayachoti



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



Date: 20-12-2022

## Circular

To,

All Students and Faculty Members,  
Government Degree College, Rayachoti

**Subject:** Certificate Course on Synthesis and Characterization of Nano Materials

Dear Sir/Madam,

We are pleased to announce a Certificate Course on "**Synthesis and Characterization of Nano Materials**" to be conducted at Government Degree College, Rayachoti. This course aims to provide an in-depth understanding of the synthesis and characterization techniques of nano materials, offering an invaluable learning opportunity for students and faculty members interested in the field of nanotechnology.

Course Details:

Course Title: Synthesis and Characterization of Nano Materials

Duration: 03-01-2023 to <sup>20</sup>17-02-2023 (30 Hours)

Venue: Government Degree College, Rayachoti

Course Coordinators: Mr.B.Venkata Rao, Lecturer in Physics

Mr. B. Kiran Kumar, Lecturer in Physics

Registration Deadline: 30-12-2022

Registration fee : Free

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

*B*  
20/12/22

*B* - Kiran Kumar  
20/12/2022

*B*  
20/12/22

*B*  
20/12/22  
Government Degree College  
Rayachoty



**GOVERNMENT DEGREE COLLEGE,**  
**RAYACHOTY, ANNAMAYYA DISTRICT, A.P. 516269**

(Accredited with C grade by NAAC)



## **Department of Physics**

**Certificate Course**

on

### **Synthesis and characterization of Nanomaterials**

**Syllabus:**

**Unit-I :**

Introduction: nanotechnology in past and present, Classification of nanomaterials, size effect on GBs (2 hours)

**Unit-II:**

Synthesis of Nanomaterials: Top-down approach, Ball milling method, Conventional Molecular self-assembly, Lithography, Bottom-up approach, Plasma arcing, Chemical Vapor deposition, Sol-gel synthesis, Molecular self assembly. (9 hours)

**Unit-III:**

Characterization techniques: X-Ray diffraction (XRD), Scanning electron microscopy (SEM), Energy dispersive X-ray spectrometer, Transmission electron microscopy (TEM), particle size analyser (PSA), Ultraviolet-Visible spectrometer, Thermo gravimetric analysis/ differential thermal analyzer (TG/DSC) (9 hours)

**Reference Books:**

1. Nano materials synthesis and characterization by V.Rajanderan, Bloomsbury publications
2. Basics of major synthesis and characterization of nanomaterials, Ashwin Sudhakaran,



# GOVERNMENT DEGREE COLLEGE, RAYACHOTY, ANNAMAYYA DISTRICT, A.P.516269



(Accredited with C grade by NAAC)

## Department of Physics

### Outcomes of the Certificate Course on Synthesis and Characterization of Nanomaterials

#### Foundational Understanding of Nanotechnology:

- Gain a comprehensive overview of nanotechnology, including its historical development and contemporary applications.
- Understand the classification of nanomaterials and the effects of size on grain boundaries (GBs).

#### Proficiency in Synthesis Methods:

- Develop knowledge of various synthesis methods for nanomaterials, including both top-down and bottom-up approaches.
- Learn specific techniques such as ball milling, molecular self-assembly, lithography, plasma arcing, chemical vapor deposition, and sol-gel synthesis.

#### Mastery of Characterization Techniques:

- Acquire skills in utilizing different characterization techniques to analyze nanomaterials.
- Gain proficiency in using X-ray diffraction (XRD), scanning electron microscopy (SEM), energy dispersive X-ray spectrometry (EDS), transmission electron microscopy (TEM), particle size analysis (PSA), ultraviolet-visible spectrometry (UV-Vis), and thermo-gravimetric analysis/differential scanning calorimetry (TGA/DSC).

#### Practical Application and Analysis:

- Develop practical skills in synthesizing and characterizing nanomaterials through hands-on experience.
- Learn to interpret data from various characterization techniques and understand their significance in nanomaterial research.

#### Critical Thinking and Problem-Solving:

- Enhance critical thinking and problem-solving abilities by applying theoretical knowledge to practical scenarios in the synthesis and characterization of nanomaterials.

This certificate course equips learners with the essential theoretical knowledge and practical skills required for the synthesis and characterization of nanomaterials, preparing them for advanced studies or careers in nanotechnology research and development.

GOVERNMENT DEGREE COLLEGE RAYACHOTY

ANNAMAIAH DISTRICT [A.P]

CERTIFICATE COURSE FROM THE DEPARTMENT OF CHEMISTRY

COURSE: B.SC (B.Z.C)

TOPIC: "WATER ANALYSIS" (30 Hours)

ACADAMIC YEAR 2022-2023



Certificate Course Convener:

M Bhanuprakash Reddy

Lecturer in Chemistry

Government Degree College, Rayachoty.

Principal permission letter

**From**

Dept of Chemistry  
Govt. Degree College  
Rayachoti.

Date

9.12.22

**To**

The Principal  
Govt Degree College  
Rayachoti.

Respected Madam,

**Subject:-**Request for permission to conduct a certificate course in water analysis for the academic year 2022—2023 Regarding

Department of Chemistry is planning to conduct a certificate course on **Water Analysis** from 27/12/22 to 18/02/23 for the academic year 2022 --2023, in this connection we need your cooperation and permission to utilize the college resources for the smooth conduct of the above-said program.

Therefore hoping that you will give us your cooperation and permission for the smooth completion of the above-mentioned program.

Thanking you madam,

Permitted  
The  
PRINCIPAL  
GOVT. DEGREE COLLEGE  
RAYACHOTI

  
Yours faithfully



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



Date: 12-12-2022

## Circular

To,

All Students and Faculty Members,  
Government Degree College, Rayachoti

**Subject:** Certificate Course in Water Analysis

Dear Sir/Madam,

We are pleased to announce a Certificate Course in "Water Analysis" to be conducted at Government Degree College, Rayachoti. This course aims to provide an in-depth understanding of Water Analysis and Procedure, offering an invaluable learning opportunity for students and faculty members interested in the field of Water Analysis.

Course Details:

Course Title: Water Analysis

Duration: 27-12-2022 to 18-02-2023 (30 Hours)

Venue: Government Degree College, Rayachoti

Course Coordinators: Mr. M. Bhanu Prakash Reddy, Lecturer in Chemistry

Registration Deadline: 23-12-2022

Registration fee : Free

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

  
PRINCIPAL  
GOVT. DEGREE COLLEGE  
RAYACHOTY

# GOVERNMENT DEGREE COLLEGE : RAYACHOTY

ANNAMAYYA DISTRICT, A.P - 516269

## *Certificate Course in Water Analysis*

### SYLLABUS

#### Unit- I

Introduction: Water and its Quality Parameters – Chemistry of water – Water resources – Hydrological cycle – Water quality parameters and drinking standard – Physical, Chemical quality of drinking water – Biological quality of drinking water.

#### Unit- II

Water Analysis – Water composition analysis – Hardness testing – pH- Salinity- Turbidity – TDS – Conductivity testing – Minerals – BOD, COD, DO, Coli forms – Culture identification – MPN test -Microscopy: principles and practices – Staining methods. Water borne pathogen: Types and Detection – Potability of water.

#### Unit- III

Water treatment – Treatment of water: Flowchart of water treatment plant, Treatment methods (Theory and Design) – Physico-chemical treatments: Sedimentation, Coagulation-flocculation, Settling tanks, Disinfection systems: Chemicals- Chlorination and other disinfection methods. Reverse osmosis technologies.

#### Unit-IV

Practical Analytical Methods – Introduction to analytical laboratory – Safety, Equipments and techniques used in laboratory, Determination of hardness, pH, turbidity, conductivity, DO, BOD and COD, Analysis of metals and ions, Microbiological analysis.

# GOVERNMENT DEGREE COLLEGE

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

*(Accredited with C by NAAC)*

## Certificate Course In Water Analysis

### OUTCOMES

After successfully completion of the course ,  
students will be able to -----

1. Understand the fundamental principles of water chemistry and water quality.
2. Identify various physical, chemical, and biological parameters used in water analysis.
3. Explain the health impacts of contaminants in water.
4. Describe the methods and techniques used for sampling and analyzing water.
5. Understand the legal framework and regulations related to water quality and safety.
6. Analyze case studies on water contamination incidents and their consequences.
7. Develop skills to conduct laboratory tests for detecting contaminants in water.
8. Discuss the sources and types of pollutants commonly found in water bodies.
9. Understand the roles and responsibilities of organizations involved in water quality monitoring and regulation.
10. Apply knowledge of water analysis to create awareness and educate the public about water safety.



# GOVERNMENT DEGREE COLLEGE, RAYACHOTY

(Affiliated to Yogi Vemana University)

Chittor Road, Rayachoty, Annamiah (Dist.)

ACCREDITED BY NAAC WITH "C" GRADE



## DEPARTMENT OF HISTORY

Certificate Course On

"Urdu Calligraphy"

GROUP BA HUP URDU MEDIUM STUDENTS

Academic Year 2022-2023

Topic: "Urdu Calligraphy"

GROUP: BA HPU Urdu Medium

Certificate Course Convener :

MD ISMAIL

Lecturer in History

Government Degree College, Rayachoty

PIN : 516269



# GOVERNMENT DEGREE COLLEGE,

RAYACHOTY, ANNAMAYYA DISTRICT, A.P.516269

(Accredited with C grade by NAAC)



## Department of History

From  
MD ISMAIL Dr. P. Harsha Latha  
Head of Department of History  
Government Degree College  
Rayachoty.Rayachoty.

To  
Principal  
Government Degree College

**Subject:** Request to Conduct Add on Course on "Urdu Calligraphy"

Respected Madam,

I am writing to seek your approval to conduct a Add on Course on "Urdu Calligraphy" at Government Degree College, Rayachoty, from 02-01-2023 to 16-02-2023 This course aims to provide the students about "Urdu Calligraphy"

The course will be coordinated by MD ISMAIL Lecturers in History.. 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 31-12-2022. 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,

*MD. ISMAIL*

Government Degree College, Rayachoti

*Harsha Latha*



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



## Department of History

Date: 26--12-2022

### CIRCULAR

To,

All students and faculty Members,

Government Degree College Rayachoty.

**Subject:** Certificate Course "Urdu Calligraphy"

Dear Sir/Madams,

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

### Course Details

Course Duration: 02-01-2023 to 16-02-2023 (30 Hours)

Venue: Government Degree College Rayachoty

Course Co-ordinator: MD ISMAIL

**Registrations Deadlines: 31-12-2022**

Registration Fee: Free

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

N. A. Prasad  
M. B. A.  
Asst. Prof.  
S. N. S.

Md. Ismail

Prof. B.

## Syllabus:

### Syllabus for Certificate course in Urdu Calligraphy

#### Unit: I

##### Basic course in calligraphy

- Introducing Calligraphy
- Enhance correct alphabets writing
- Ligature's (connecting alphabets)
- Khushkhati (good hand writing)

#### Unit: II

##### Advanced Modern Calligraphy

- Computography
- Designing
- Typography
- Layout Designing
- English and Devnagari Calligraphy

A basic course in calligraphy typically aims to achieve several outcomes that enable participants to develop foundational skills and appreciation for the art of beautiful writing. Here are the common program outcomes:

1. **Understanding of Calligraphy Principles:** Participants gain a fundamental understanding of calligraphy principles, including different styles, techniques, and historical context.
2. **Skill Development:** The course helps learners develop basic calligraphy skills, such as proper pen or brush handling, stroke formation, letter spacing, and consistency in letterforms.
3. **Handwriting Improvement:** Through practice, participants improve their handwriting legibility and aesthetics, applying principles learned in calligraphy to everyday writing.
4. **Appreciation of Aesthetics:** Participants develop an appreciation for the aesthetic qualities of calligraphy, including line variation, balance, rhythm, and artistic expression through letterforms.
5. **Creativity and Expression:** The course encourages creativity and self-expression through the art of calligraphy, allowing learners to explore different styles and adapt them to personal preferences.



# **GOVERNMENT DEGREE COLLEGE, RAYACHOTY**

(Affiliated to Yogi Vemana University)

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



**DEPARTMENT OF HISTORY**  
**A CERTIFICATE COURSE ON**  
**" INDUS VALLEY CIVILIZATION "**

**GROUP: III BA HEP**

**Academic Year 2022-2023**



**Topic: " INDUS VALLEY CIVILIZATION " (30 HOURS)**

**GROUP: III BA HEP**

**Certificate Course Convener :**  
**K.GURAPPA**  
**Lecturer in History**  
**Government Degree College, Rayachoty**  
**PIN : 516269**



# GOVERNMENT DEGREE COLLEGE,

RAYACHOTY, ANNAMAYYA DISTRICT, A.P.516269

(Accredited with C grade by NAAC)



## Department of History

From  
K.Gurappa  
Department of History  
Government Degree College  
Rayachoti

To  
P.Harshalatha  
Principal  
Government Degree College  
Rayachoti

**Subject:** Request to Conduct Certificate Course on "Indus Valley Civilization"

Respected Madam,

I am writing to seek your approval to conduct a Certificate Course on " Indus Valley Civilization " at Government Degree College, Rayachoti, from 19-11-2022, to 26-12-2022. This course aims to provide an in-depth understanding of the Indus Valley Civilization, offering an invaluable learning opportunity for students and faculty members interested in the field of Characteristics of Indus Valley Civilization.

The course will be coordinated by Mr.K .Gurappa Lecturer in History. 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 18-11-2022. 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.

Permitted  
K.Gurappa

Sincerely,

K. Laxmi  
Department of History

Government Degree College,

Rayachoti



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



## Department of HISTORY

Date: 18.11.2022

### CIRCULAR

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

**Subject:** Certificate Course on INDUS VALLEY CIVILIZATION

Dear Sir/Madams,

We are pleased to announce a certificate course on Indus Valley Civilization to be conducted at Government Degree college Rayachoty. This course aims to provide the best preparation for the students and faculty members.

### Course Details

Course Duration: 19-11-2022 to 26-12-2022 (30 Hours)

Venue: Government Degree College Rayachoty

Course Co-Ordinator: K.Gurappa

Registration Fee: Free

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

Permitted  
fate

and

B

N.A.Ram

Ascher  
Inf

K. Gurappa

# Syllabus: Certificate Course on Indus Valley Civilization

Introduction to the Indus Valley Civilization - - Introduction to the IVC: Chronology and geographical extent. - - Discovery of the IVC: Key excavations and archaeologists. - - Comparative analysis with contemporary civilizations (Mesopotamia and Egypt). - - Overview of major sites: Harappa, Mohenjo-daro, Dholavira, Lothal. - Urban planning and architecture: Streets, drainage systems, granaries, and public baths. - Residential and public buildings.

Evidence of social hierarchy and organization. - - Daily life: Housing, clothing, food, and occupation. - Role of women and children in IVC society. - Religious practices and rituals: Seals, figurines, and religious symbols. - Possible deities and worship methods. - Burial practices and beliefs about the afterlife.

Agricultural practices and crops cultivated. - - Craftsmanship: Pottery, metallurgy, bead making, and textiles. - - Technological innovations in tools and manufacturing. - Internal and external trade networks. - Trade routes: Land and maritime. - Trade goods: Commodities, weights and measures, and standardized seals.

### Certificate Course Outcomes: Indus Valley Civilization

#### Course Objectives

- To understand the historical significance and chronological framework of the Indus Valley Civilization (IVC).
- To explore the cultural, technological, and social aspects of the IVC.
- To analyze the contributions of the IVC to subsequent cultures and its lasting legacy.

## Learning Outcomes

Upon successful completion of this course, participants will be able to:

**\*\*Comprehend the Historical Context:\*\*** - - Describe the geographical extent and major sites of the Indus Valley Civilization. - Understand the chronological development and phases of the IVC. - Compare the IVC with contemporary ancient civilizations (e.g., Mesopotamia, Egypt).

**\*\*Analyze Urban Planning and Architecture:\*\***

Explain the urban planning features of major IVC cities like Harappa, Mohenjo-daro, and Dholavira. - Describe the architectural structures such as houses, public baths, granaries, and drainage systems. - Evaluate the engineering and architectural innovations of the IVC.

**\*\*Understand Social and Cultural Aspects:\*\*** - Identify the social structure and daily life of the IVC inhabitants. - Discuss the cultural practices, including clothing, diet, and recreational activities. - Analyze the role of women and children in IVC society.



# GOVERNMENT DEGREE COLLEGE, RAYACHOTY

(Affiliated to Yogi Vemana University)

Chittor Road, Rayachoty, Annamiah (Dist.)

ACCREDITED BY NAAC WITH "C" GRADE



DEPARTMENT OF COMPUTER APPLICATIONS

A CERTIFICATE COURSE ON

**"E-Learning Resources"**

GROUP - I / II YEAR B.COM CA STUDENTS

Academic Year 2022-2023



Topic: **"E-Learning Resources"**(30 HOURS)

GROUP – I / II YEAR B.COM CA

Certificate Course Convener :

**Y. MADHU SUDHAN REDDY**

Lecturer in Computer Applications

Government Degree College, Rayachoty

PIN : 516269



**GOVERNMENT DEGREE COLLEGE,**  
RAYACHOTY, ANNAMAYYA DISTRICT, A.P.516269



**Department of Computer Applications**

From

The Department of Computer Applications  
Government Degree College  
Rayachoty

To

The Principal,  
Government Degree College  
Rayachoty

**Subject:** Request to Conduct Certificate Course on " **E-Learning Resources** "

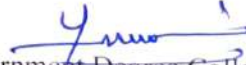
Respected Madam,

I am writing to seek your approval to conduct a Certificate Course on " **E-Learning Resources** " at Government Degree College, Rayachoty, from **10-10-2022 to 16-11-2022** This course aims to provide an in-depth understanding of the **E-Learning Resources**, offering an invaluable learning opportunity for students and faculty members interested in the field of Computers.

The course will be coordinated by Mr. **Y. MADHU SUDHAN REDDY** Lecturer in Computer Applications 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 10-10-2022. 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



**GOVERNMENT DEGREE COLLEGE,**  
RAYACHOTY, ANNAMAYYA DISTRICT, A.P.516269



**Department of Computer Applications**

Date: 01-10-2022

**CIRCULAR**

To,

All students and faculty Members,

Government Degree College Rayachoty.

**Subject: Certificate Course on E-Learning Resources**

**Dear Sir/Madams,**

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

**Course Details**

Course Duration: (30 Hours)

Venue: Government Degree College Rayachoty

Course Co-Ordinator: Y. MADHU SUDHAN REDDY

Registration Fee: Free

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

*ld*  
*AD* → *R* → *Inf* → *N. Atsany*  
*Asach*

# Certificate Course On E-Learning Resources

## SYLLABUS

Introduction to E-Learning - Definition and History of E-Learning - Benefits and Challenges of E-Learning - Overview of E-Learning Trends - Learning Management Systems (LMS) Overview - Examples: Moodle, Canvas, Blackboard - Comparison of Popular E-Learning Platforms - Criteria for Choosing an E-Learning Platform - Authoring Tools (e.g., Articulate, Captivate, iSpring) - Multimedia Resources (e.g., videos, podcasts, interactive simulations) - Open Educational Resources (OER) - Principles of Instructional Design - ADDIE Model (Analysis, Design, Development, Implementation, Evaluation) - Creating Engaging and Interactive Content

Types of E-Learning Assessments (formative, summative) - Tools for Online Assessments (e.g., quizzes, assignments, surveys) - Analyzing Learner Data and Feedback - Strategies to Increase Learner Engagement - Synchronous vs. Asynchronous Learning - Use of Discussion Boards, Chats, and Virtual Classrooms - Principles and Benefits of Mobile Learning - Designing for Mobile Devices - Microlearning Strategies and Applications -

Ensuring Accessibility in E-Learning - Legal and Ethical Considerations - Inclusive Design Practices - Gamification and Game-Based Learning - Virtual Reality (VR) and Augmented Reality (AR) - Artificial Intelligence in E-Learning - Case Studies of Successful E-Learning Implementations - Future Trends in E-Learning - Preparing for Continuous Improvement and Lifelong Learning

## Course Outcomes: E-Learning Resources

By the end of this course, students will be able to:

Understand the evolution and significance of e-learning in the modern educational landscape. -  
Identify current trends and future directions in e-learning technologies and methodologies. -  
Compare various learning management systems (LMS) and e-learning platforms. Assess the features, benefits, and limitations of different e-learning tools to determine the best fit for specific educational needs. Utilize authoring tools and multimedia resources to create engaging and interactive e-learning content. Apply instructional design principles, including the ADDIE model, to develop structured and effective e-learning modules.



**GOVERNMENT DEGREE COLLEGE, RAYACHOTY**

(Affiliated to Yogi Vemana University)

CHITTOR ROAD, RAYACHOTY, ANNAMAYYA DIST  
ACCREDITED BY NAAC WITH "C" GRADE



**DEPARTMENT OF MATHEMATICS**

**A CERTIFICATE COURSE**

**ON**

**DISCRETE MATHEMATICS**

**Academic Year : 2022-2023**



**TOPIC: DISCRETE MATHEMATICS**

**(30 HOURS)**

**Certificate Course Convener :**

**B.MALLIKARJUNA REDDY**

**Lecturer in Mathematics**

**Government Degree College**

**Rayachoty PIN : 516269**

# GOVERNMENT DEGREE COLLEGE

RAYACHOTY, ANNAMAYYA DISTRICT, A.P.516269

(Accredited with C grade by NAAC)

## Department of Mathematics



From  
B.Mallikarjuna Reddy  
Lecturer in Mathematics  
Government Degree College  
Rayachoti

To  
The Principal  
Government Degree College  
Rayachoti

**Subject:** Request to Conduct Certificate Course on "**Discrete Mathematics**"

Respected Madam,

We are pleased to announce a Certificate Course on "**Discrete Mathematics**" the aim of discrete mathematics is to provide a rigorous and formal foundation for reasoning about discrete structures and solving problems in various areas of mathematics, computer science, and beyond.

I am writing to seek your approval to conduct a Certificate Course on "**Discrete Mathematics**" at Government Degree College, Rayachoti, from 18-01-2023 to 25-02-2023.

The course will be coordinated by B.Mallikarjuna Reddy and Ch.Ramanjaneyulu, both Lecturers in Mathematics. 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 18-01-2023.

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

**PRINCIPAL**  
Govt. Degree College  
Rayachoty.

# GOVERNMENT DEGREE COLLEGE

RAYACHOTY, ANNAMAYYA DISTRICT,  
A.P.516269

(Accredited with C grade by NAAC)

## Department of Mathematics



### Circular

Date:03-01-2023

To,

All Students and Faculty Members,  
Government Degree College, Rayachoti

**Subject:** Certificate Course on Discrete Mathematics

Dear Sir/Madam,

We are pleased to announce a Certificate Course on "**Discrete Mathematics**" the aim of discrete mathematics is to provide a rigorous and formal foundation for reasoning about discrete structures and solving problems in various areas of mathematics, computer science, and beyond.

Course Title: **Discrete Mathematics**

Duration: 18-01-2023 to 25-02-2023 (30 Hours)

Venue: Government Degree College, Rayachoti

Course Coordinators: B.Mallikarjuna Reddy and Ch.Ramanjaneyulu

Registration Deadline: 17-01-2023

Registration fee : Free

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

## SYLLABUS

**UNIT I- Mathematical Logic:** Normal forms- Disjunctive, Conjunctive Principle Disjunctive Principle – Conjunctive normal forms- Ordering and uniqueness of normal forms Statements – Connectives - Tautologies–The Theory of inference for Statement calculus – Rules of inference- Predicate Calculus-Inference theory for predicate Calculus.(15HOURS)

**UNITII-Relations :** Properties-Equivalence Relations- Partial order relations and partially ordered sets - Semi groups and monoids - Subsemi – groups and Sub monoids - Homomorphism of Monoids and Semi groups.(15 HOURS)

B.   
C.B. Malhotra

## Outcomes of certificate course Discrete mathematics

1. **Understanding Fundamental Concepts:** Students will understand and articulate the foundational concepts of discrete mathematics, including sets, relations, functions, sequences, and summations.
2. **Logic and Proof Techniques:** Students will understand and apply different types of logic (propositional and predicate), and proof techniques (direct, indirect, contradiction, and induction) to solve problems.
3. **Combinatorics:** Students will master the basic principles of combinatorics, including permutations, combinations, the Pigeonhole Principle, and the principles of inclusion and exclusion.
4. **Graph Theory:** Students will understand the basic concepts of graph theory, including graphs, subgraphs, trees, connectivity, and graph traversals, and be able to apply them to solve problems.
5. **Algorithms and Complexity:** Students will analyze algorithms, understand algorithm complexity (Big O notation), and be able to solve recurrence relations.
6. **Discrete Structures:** Students will understand discrete structures such as lattices and Boolean algebras, and apply them in various contexts.
7. **Number Theory and Cryptography:** Students will understand concepts in number theory, such as divisibility, primes, and modular arithmetic, and apply these concepts to cryptographic systems.
8. **Automata Theory:** Students will understand the basic concepts of automata theory, including finite automata, regular expressions, and context-free grammars.
9. **Mathematical Reasoning:** Students will develop strong mathematical reasoning and problem-solving skills, enabling them to tackle complex problems in computer science and related fields.
10. **Applications in Computer Science:** Students will recognize and apply discrete mathematics concepts to various areas in computer science, including data structures, algorithms, database theory, and software engineering.



**GOVERNMENT COLLEGE, RAYACHOTY**

Affiliated to Yogi Vemana University

Rayachoty - 516269



(Accredited with "C" by NAAC)

---

**Certificate course**

**Department of Commerce**

**2022 - 23**



22-23

# GOVERNMENT DEGREE COLLEGE,

RAYACHOTY, ANNAMAYYA DISTRICT, A.P.516269

(Accredited with C grade by NAAC)



## Department of Commerce

From  
U. prasad  
Head of Department of Commerce  
Government Degree College  
Rayachoti

To  
Dr. P. Harshalatha pankaj  
Principal  
Government Degree College  
Rayachoti

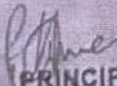
**Subject:** Permission to Conduct Certificate Course in Corporate Financial Accounting

Respected Madam,

I am writing to seek your permission to conduct a Certificate Course in Corporate Financial Accounting at Government Degree College, Rayachoti, from November 1, 2022, to December 18, 2022. This course aims to provide students with practical knowledge and skills related to Corporate Financial Accounting. The course will be conducted by experienced professionals and will offer hands-on training to enhance students' understanding Corporate Financial Accounting principles.

The duration of the course will be five weeks, and it will include both theoretical sessions. Students will have the opportunity to learn about preparations of accounting basic wiring principles and procedures. I assure you that all necessary safety precautions will be taken during the course. I kindly request your approval to proceed with the organization of this course.

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

  
PRINCIPAL  
Govt. Degree College  
Rayachoty.

Sincerely,  
  
Head of Department of Commerce  
Government Degree College  
Rayachoti



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



## Department of Commerce

Date: 27.10.2021

### CIRCULAR

To,

All students and faculty Members,  
Government Degree College Rayachoty.

**Subject:** Certificate Course on Corporate Financial accounting.

Dear Sir/Madams,

We are pleased to announce a certificate course on Corporate Financial accounting to be conducted at Government Degree college Rayachoty. This course aims to provide the best preparation of Corporate Financial accounting for the students and faculty members.

### Course Details

Course Duration: 01-11-2022 to 18-12-2022 (30 Hours)

Venue: Government Degree College Rayachoty

Course Co-Ordinator: U. PRASAD

Registration Fee: Free

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

*[Handwritten signatures and initials]*  
B. Srinivas  
Y. Srinivas  
CPD  
S. Srinivas

## Certificate course

on

## **CORPORATE FINANCIAL ACCOUNTING**

Organised by

## **Department of Commerce**

From- 01-11-2022 to 18-12-2022

Duration of the course: 30 hours

Faculty information

N. Reddy Basha M. Com, AP.SET.

U. PRASAD. M. Com, AP.SET.

S. Sreenivasulu. M. Com.

Instructions to the students.

- 80% course attendance compulsory to get the certificate
- Students who will get 40% marks in the examination and they will eligible to get cert
- 

**Syllabus:Time: 30 Hrs**

**UNIT-I:** Introduction to Accounting: Nature and Scope of Financial Accounting – Importance – Objectives - Generally Accepted Accounting Principles (GAAP) – Indian Accounting Standards and International Accounting Standards. (Theory only)

**UNIT-II:** Inflation Accounting: Definition - Limitations of Historical Accounting – Methods of Accounting for Price Level Changes - Current Purchasing Power (CPP) - Current Cost Accounting (CCA) - Gearing Adjustment. (Theory only)

**Unit-III:** Human Resource Accounting: Concept - Suggested Methods for Valuation of Human Resources - Advantages and Disadvantages of HR Accounting; Corporate Social Accounting - Concept and Objectives of Social Accounting - Social Accounting Measures.

## Outcomes:

1. **Enhanced Decision-Making:** Understanding these concepts and methods equips stakeholders with better information for making informed decisions related to investments, resource allocation, and strategic planning.
2. **Improved Accountability:** Through standardized reporting practices (GAAP, Indian Accounting Standards, International Accounting Standards), organizations can demonstrate accountability to stakeholders by providing transparent and reliable financial information.
3. **Holistic View of Organizational Performance:** Incorporating inflation accounting, human resource accounting, and corporate social accounting provides a more comprehensive view of an organization's overall performance, not just financial outcomes.
4. **Strategic Planning and Risk Management:** Utilizing these accounting principles and standards enables organizations to better plan for the future, manage risks associated with inflation, human capital, and social responsibilities, and align their strategies with broader economic and social trends.



**GOVERNMENT DEGREE COLLEGE, RAYACHOTY**

(Affiliated to Yogi Vemana University)

CHITTOR ROAD, RAYACHOTY, ANNAMAYYA DISTRICT



**DEPARTMENT OF POLITICAL SCIENCE**

**A CERTIFICATE COURSE ON**

**“ OFFICE MANAGEMENT AND SECRETARIAL PRACTICE “**

**GROUP: I BA HEP**

**Academic Year 2022-2023**



**Topic: OFFICE MANAGEMENT AND SECRETARIAL PRACTICE**

**(30 HOURS)**

**GROUP: I BA HEP**

**Certificate Course Convener :**

**SMD BASHA**

**Lecturer in Political Science**

**Government Degree College, Rayachoty**

**PIN : 516269**



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



**Department of political science**

From  
S.Mohammad Basha  
Lecturer in political science  
Government Degree College  
Rayachoti

To  
Dr. P. Harshalatha pankaj  
Principal  
Government Degree College  
Rayachoti

**Subject:** Permission to Conduct Certificate Course in Office Management and Secretarial Practice

Respected Madam,

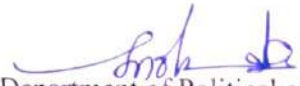
I am writing to seek your permission to conduct a Certificate Course in Office management And Secretarial Practice at Government Degree College, Rayachoti, from 01-02-2023, to 09-03- 2023. This course aims to provide students with practical knowledge and skills related to Office Management . The course will be conducted by experienced professionals and will offer hands-on training to enhance students' understanding Secretarial Practice principles.

The duration of the course will be five weeks, and it will include both theoretical sessions. Students will have the opportunity to learn about preparations of accounting basic wiring principles and procedures. I assure you that all necessary safety precautions will be taken during the course. I kindly request your approval to proceed with the organization of this course.

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

Sincerely,

  
PRINCIPAL  
Govt. Degree College  
Rayachoty.

  
Department of Political science  
Government Degree College  
Rayachoti



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



## Department of Political Science

Date: 31.01.2023

### CIRCULAR

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

**Subject:** Certificate Course on Office Management And Secretarial Practice

Dear Sir/Madams,

We are pleased to announce a certificate course on office management and Secretarial Practice to be conducted at Government Degree college Rayachoty. This course aims to provide the best preparation and Secretarial management of for the students and faculty members.

  
**PRINCIPAL**  
**Govt. Degree College**  
**Rayachoty**

### Course Details

Course Duration: 01-02-2023 to 09-03-2023 (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


## **Certificate Course in Office Management and Secretarial Practice (30 Hours)**

### **#### Module 1: Introduction to Office Management (4 Hours)**

#### **- \*\*Concept and Definition\*\***

- Overview of Office Management - - Roles and Responsibilities of Office Managers - - \*\*Functions of Office Management\*\* - - Planning, Organizing, Staffing, Directing, and Controlling -- \*\*Types of Office Layouts\*\* - - Open Plan vs. Closed Plan Offices - - Importance of Ergonomics in Office Design

### **#### Module 2: Office Administration and Communication (5 Hours)**

#### **- \*\*Office Administration\*\***

- Record Management and Filing Systems - - Managing Office Supplies - Time Management and Scheduling -- \*\*Effective Communication\*\* - - Verbal and Non-Verbal Communication - - Business Correspondence: Letters, Emails, Memos - - Telephone Etiquette and Video Conferencing

### **#### Module 3: Secretarial Practice and Duties (5 Hours)**

#### **- \*\*Role of a Secretary\*\***

- Job Description and Key Skills - - Professional Ethics and Confidentiality - \*\*Meeting Management\*\* - - Planning and Organizing Meetings - - Preparing Agendas and Taking Minutes - - Coordination of Meeting Logistics –

### **#### Module 4: Document and Record Management (4 Hours)**

#### **- \*\*Document Preparation\*\***

- Types of Business Documents - - Formatting and Proofreading Techniques - - \*\*Record Keeping\*\* - - Electronic vs. Manual Record Keeping - - Archiving and Retrieval Systems

### **#### Module 5: Office Technology and Automation (4 Hours)**

#### **- \*\*Introduction to Office Technology\*\***

- Essential Office Equipment and Their Uses - - Introduction to Office Software (MS Office Suite)

#### **- \*\*Automation Tools\*\***

- Using Scheduling Software - - Document Management Systems - Basics of Database Management

### **#### Module 6: Financial Administration (4 Hours)**

#### **- \*\*Basic Financial Concepts\*\***

- Budgeting and Financial Planning - - Accounting Basics and Bookkeeping - \*\*Payroll Management\*\* - - Salary Preparation and Disbursement - - Handling Employee Benefits and Deductions

### **#### Module 7: Professional Development and Workplace Skills (4 Hours)**

#### **- \*\*Career Development\*\***

- Resume Writing and Job Search Strategies - - Interview Preparation - - \*\*Interpersonal Skills\*\* - - Teamwork and Collaboration - - Conflict Resolution and Problem Solving - - \*\*Workplace Etiquette\*\* - - Dress Code and Professionalism - Stress Management and Work-Life Balance

### **#### Module 8: Practical Sessions and Project Work (4 Hours)**

#### **- \*\*Practical Sessions\*\***

- Hands-on with Office Software Tools - - Simulations of Office Scenarios - - \*\*Project Work\*\* - - Developing a Mini Office Management Project - - Presentation and Peer Review

## **Certificate Course in Office Management and Secretarial Practice: Learning Outcomes**

Upon successful completion of the Certificate Course in Office Management and Secretarial Practice, participants will be able to:

**Understand Office Management Principles - Efficiently Manage Office Operations - Master Effective Communication - Perform Secretarial Duties Proficiently - Manage Documents and Records - Efficiently Leverage Office Technology and Automation - Administer Basic Financial Operations Develop Professional and Interpersonal Skills - Implement Effective Time Management Strategies - Promote Professional Development - Apply Practical Knowledge**

These outcomes ensure that participants not only gain a comprehensive understanding of office management and secretarial practices but also develop the necessary skills and knowledge to contribute effectively to the efficient operation of an office in their respective domains.



# **GOVERNMENT DEGREE COLLEGE, RAYACHOTY**

(Affiliated to Yogi Vemana University)

Chittor Road, Rayachoty, Annamiah (Dist.)

ACCREDITED BY NAAC WITH "C" GRADE



DEPARTMENT OF POLITICAL SCIENCE UM

A CERTIFICATE COURSE ON

"IMPORTANCE OF VOTING"

GROUP BA HUP URDU MEDIUM STUDENTS

Academic Year 2022-2023



Topic: "IMPORTANCE OF VOTING"(30 HOURS)

GROUP: BA HUP Urdu Medium

Certificate Course Convener :

A KHAJA VICE KHIRNI

Lecturer in Political Science

Government Degree College, Rayachoty

PIN : 516269



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



**Department of Political Science**

From  
A KHAJA VICE KHIRNI  
Department of Political Science  
Government Degree College  
Rayachoti

To  
The  
Principal  
Government Degree College  
Rayachoti.

**Subject:** Request to Conduct Add on Course on “Importance of Voting”

Respected Madam,

I am writing to seek your approval to conduct a Add on Course on “Importance of Voting” at Government Degree College, Rayachoti, from 06-02-2023 to 15-03-2023 This course aims to provide the students about “Importance of Voting”.

The course will be coordinated by Mr.A KHAJA VICE KHIRNI and SMD BASHA both Lecturers 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 04-02-2023. 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

(Affiliated to Yogi Vemana University)

Chittor Road, Rayachoty, Annamiah (Dist.)

ACCREDITED BY NAAC WITH "C" GRADE



## DEPARTMENT OF POLITICAL SCIENCE UM

### CIRCULAR

01-02-2023

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

**Subject:** Certificate Course "Importance of Voting"

**Dear Sir/Madams,**

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

### Course Details

Course Duration: 06-02-2023 To 15-03-2023 (30 Hours)

Venue: Government Degree College Rayachoty

Course Co-ordinator: A KHAJA VICE KHIRNI

Registrations Deadlines: 04-02-2023

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 UM.

*Handwritten signatures and names:*  
A. Khaja Vice Khirni  
B. Suresh CBA  
M. G. Ismail  
K. B. A (M.P.U.)  
IT-MPCB  
S. S. S. S.  
S. S. S. S.  
S. S. S. S.

## Syllabus:

### Unit: I

#### Voting Stats in India

- In 2014, India had voting percentage of 66.44 as compared to 58.21% in 2009.
- Increase in Women voters: Women lack behind only by 1.4% as compared to Men's turnout in 2014. Also, there are many states now, where women outnumber men in terms of turnout.
- In 2014, India saw a huge increase in Youth Turnout as compared to previous elections.

### Unit: II

#### Importance of Voting

- Abraham Lincoln's idea and philosophy of Democracy i.e., Democracy is the government of the people, by the people and for the people, can be translated to reality only through voting.
- Sense of Empowerment: Through voting, people have a sense of 'ownership of government'.
- To make government more responsible and accountable: Indian voters have brought revolutionary changes, in that regard, through voting e.g., in 1967, when Congress Government was not working as per the aspirations of the people, people brought the Congress Government to very thin majority at the centre and almost half of the State Governments were given to non-congress parties.
- By voting, people can decide the direction of change and development.

- To express oneself i.e., Voting helps people in expressing their thoughts on a country, local constituency or about a candidate through the ballot box.

### Unit: III

#### Recent Reforms

- Addition of 'NOTA' option has further enabled the people to realise importance of their vote in elections. By choosing NOTA, voters have right to not to choose any nominated candidate.
- National Voters' Day: To ensure that new voter or the 18+ who gets registered, finds a way to understand that 'voting is an important responsibility, and at certain point of time, s/he has to go to vote.
- ECI is continuously taking care to ensure the access to polling station to Divyangs, people in far-off places and for distant remote placed voters.
- Model Polling Booths have been developed to facilitate women, children and old people.
- Ensuring flexibility in Indian Election System: Whenever people or political parties have a complaint regarding anything, ECI always have a solution for that. Recently, when transparency in EVMs was in question, ECI introduced VVPAT machines.
- For decriminalization of Indian Elections, ECI and the Court has ensured together that the candidates declare their criminal record and any cases, pending or not.

### Unit: IV

#### Electoral Reforms

- Types of Electoral Reforms
- Reforms Introduced for the Electorates
- Reforms Introduced to Regulate the Electoral Candidates
- Reforms Altering the Nature of Elections
- Major Issues Associated with Elections in India



# GOVERNMENT DEGREE COLLEGE, RAYACHOTY

(Affiliated to Yogi Vemana University)

Chittor Road, Rayachoty, Annamiah (Dist.)

ACCREDITED BY NAAC WITH "C" GRADE



---

## DEPARTMENT OF POLITICAL SCIENCE UM

### Add-on Course

Topic : Importance of Voting

### COURSE OUTCOMES

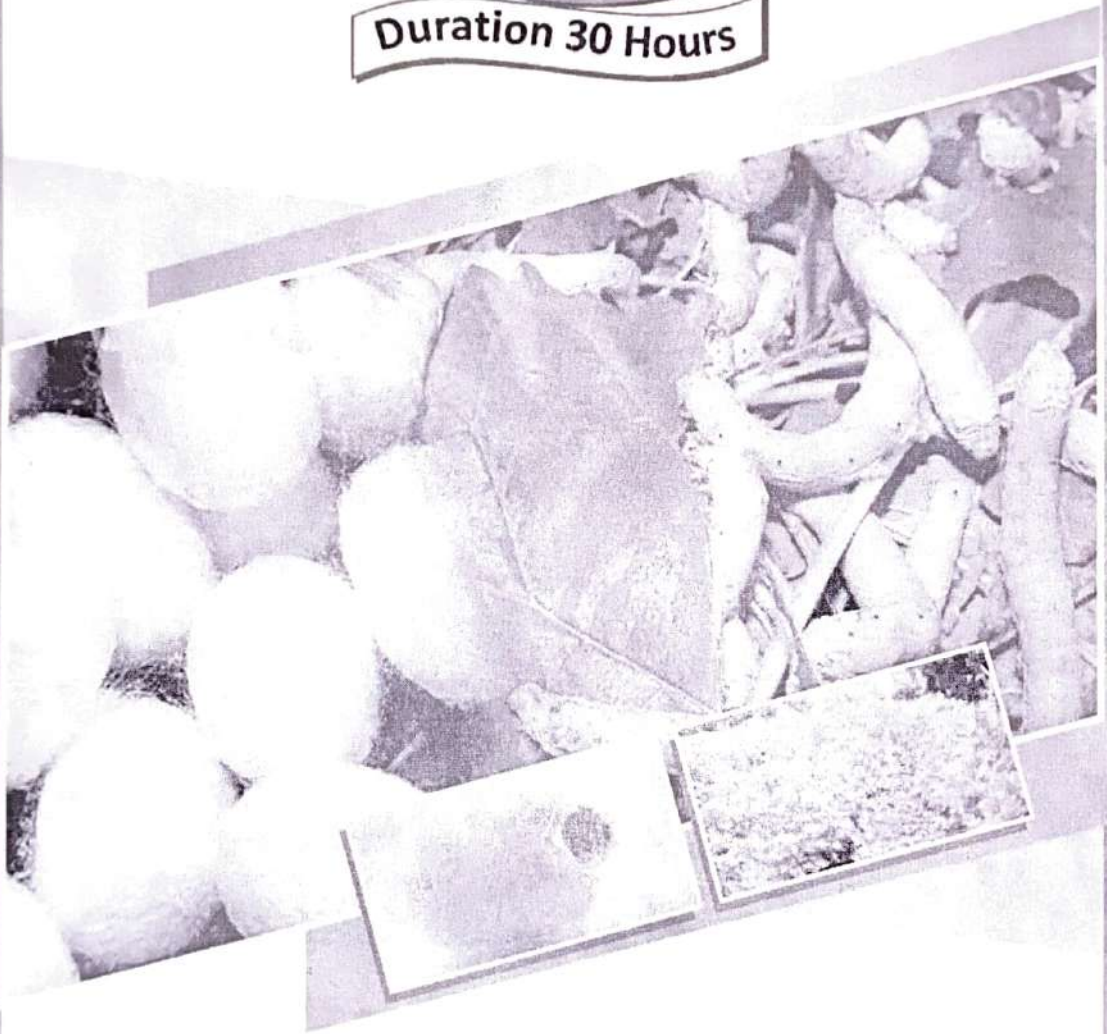
- ❖ Students will recognize the importance of voting and the value of a single vote within a democracy.
- ❖ Students will learn that both government and citizens have mutual responsibility in protecting voting rights.
- ❖ Students will explore how disenfranchisement, intentional and unintentional, has affected voting outcomes throughout American history.
- ❖ Students will learn about the role the three branches of government play in the election process
- ❖ Voting is an essential form of collective political participation and is considered a staple of democracy
- ❖ . Through voting, citizens have a voice in their government, including which politicians will represent them and what policies will be championed.
- ❖ The reasons why it is important for citizens to vote can be summarized into three main points. First, voting is a right that many generations have fought hard for.
- ❖ Today, millions of people around the world do not have access to this right. Next, voting allows citizens to have their beliefs and issues represented in government.
- ❖ Finally, every vote matters in deciding the outcome of an election. A small voter margin can be the difference between a candidate winning or losing.

DEPARTMENT OF ZOOLOGY

# Certificate Course in Sericulture

2022-23

Duration 30 Hours



GOVT. DEGREE COLLEGE, RAYACHOTY  
ANNAMAYYA DISTRICT, A.P.

## **Certificate Course in Sericulture**

Department of Zoology

Govt.DegreeCollege,Rayachoty,Annamayya,(Dist)A.P.

2022-23

### **Proceedings of the Principal**

Principal is pleased to appoint Dr.M.Muniya Naik, Lecturer in Zoology as a coordinator and instructor for Sericulture certificate course It is hereby informed that as per the BOS meeting held in 29-10-2022. I am directed to the Course coordinator give the notification for admission of students and other denizens of Rayachoty in Sericulture certificate course.



*Principal*

Govt.Degree College, Rayachoty, Annamayya (Dist)A.P.

**PRINCIPAL**  
**GOVT. DEGREE COLLEGE**  
**RAYACHOTY**



## CIRCULAR

Rayachoty  
28-10-2022

This is to inform that the Department of Zoology is going to conduct a Certificate course in *Sericulture*. As this process in this course may be useful for students will get more knowledge about mulberry cultivation, silkworm rearing & self-employment and income generation. This course may be useful for students will get more knowledge about. In this regard enroll their names in the Department of Zoology on or before 02.11.2022.

*Department of Zoology*

### Course Details


**Course Name:** Certificate course in sericulture

**Duration:** 30 Days


**Group:** B.Sc - BZC

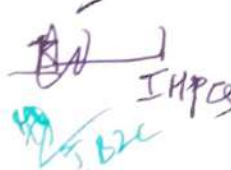
### Course Content:

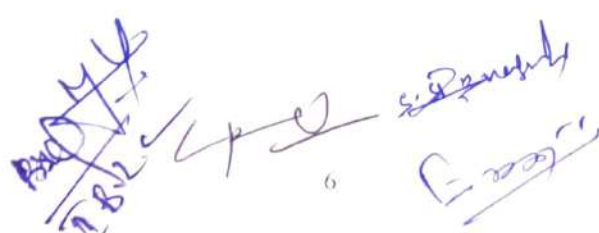
- Preparation of Mulberry Nursery
- Raising of Mulberry
- Mulberry Nursery Management

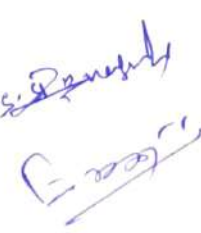
  
28.10.22  
LECTURER IN ZOOLOGY,  
Govt. DEGREE COLLEGE  
RAYACHOTY - 516 269

  
PRINCIPAL  
GOVT. DEGREE COLLEGE  
RAYACHOTY

  
B.Sc

  
I.H.P.C.S  
B.Sc

  
B.Sc

  
B.Sc

## **6. OUTCOME**

After successful completion of this course the student is will be able to

- Apply knowledge and skills of “Package of Practices in Sericulture”.
- Study of introduction of origin and growth and study of sericulture asscience.
- Study of scope of mulberry cultivation.

Students got experience in different kinds of activities in mulberry cultivation

## **7. COURSE DESIGN:**

|                 |   |
|-----------------|---|
| Eligibility     | : Intermediate/Graduate                   |
| Course Duration | : 30 hours                                |
| Resource Person | : Faculty member in the Dept. of Zoology. |

## **8. COURSE CONTENT:**

### Unit-I **MORICULTURE:-**

Introduction and scope of mulberry cultivation- Ecological requirements, land preparation, selection and propagation of mulberry varieties, plantation, irrigation, application of manures, fertilizers,weeding, pruning, harvesting of mulberry.

### Unit-II **SILK WORM REARING:-**

Introduction of silkworm rearing-Rearing house Rearing apparatus, disinfection of rearing house -Chawki & late age rearing, environmental conditions In silkworm rearing house,

Feeds of silk worms, Bed cleaning, Bed disinfectants, Moulting and Mounting , spinning and harvesting of cocoons



Unit-III VALUE ADDITION IN SERICULTURE:-

General account of by products-value added products of mulberry, value added products of cocoon , value added products of silk

**9. Course Evaluation**

- a. Offline Examination Method
  - i. Assignments - 20% [ Cumulative]
- b. OFF LINE Examination Method
  - i. Mid-term test - 30%
  - ii. Semester-end examination - 50%





# GOVERNMENT COLLEGE, RAYACHOTY

ACCREDITED BY NAAC WITH 'C' GRADE

Affiliated to Yogi Vemana University, Kadapa-516005

Rayachoty - 516269



## DEPARTMENT OF ECONOMICS

CERTIFICATE - COURSE(2022-23)

## INTERNATIONAL TRADE

To,  
The Principal,  
Government Degree College Rayachoty,

Date 27-10-22

Respected Madam,

**Subject: Request for Certificate Course on International Trades**

I believe that such a course would greatly enhance our knowledge and prepare us for global opportunities.

I kindly request your support in organizing this course. If feasible, could you please consider arranging sessions on topics like import-export procedures, trade regulations, and cross-cultural business practices? I am confident that this initiative would benefit all students and contribute to our holistic education.

Thank you for your attention to this matter. I look forward to your positive response.

13  
10/27  
PRINCIPAL  
Govt Degree College

Sincerely,



B.Eswaraiah



## INTERNATIONAL TRADES

### Syllabus

The syllabus for an international trade certificate course can vary depending on the institution offering the program and its specific focus.

#### 1. Introduction to International Trade:

Globalization and its impact on trade

The role of international trade in the global economy

Major international trade organizations and agreements (e.g., WTO, NAFTA, EU)

#### 2. International Trade Theory:

Comparative advantage and its implications

Theory of absolute advantage

Trade barriers and their effects

#### 3. International Trade Policy:

Tariffs, quotas, and other trade restrictions

Trade liberalization and its benefits

Trade policy instruments and their implementation

## **Program out Comes**

The outcomes of completing an international trade certificate course typically align with the objectives and are designed to equip participants with practical skills and knowledge necessary for success in global trade environments. Here are some common outcomes that participants can expect:

1. **Comprehensive Understanding of International Trade:** Participants will gain a thorough understanding of the theories, principles, and dynamics of international trade, including its economic, legal, and regulatory aspects.
2. **Proficiency in Trade Documentation and Procedures:** Participants will be proficient in navigating export and import documentation requirements, logistics processes, and customs procedures essential for international trade transactions.
3. **Knowledge of International Trade Regulations and Compliance:** Participants will understand international trade laws, regulations, and agreements, and be able to navigate compliance issues related to tariffs, quotas, and trade barriers.
4. **Skills in Trade Finance and Risk Management:** Participants will acquire skills in managing international payment methods, understanding foreign exchange markets, and applying trade finance options to mitigate financial risks.
5. **Development of Strategic Trade Capabilities:** Participants will develop strategic thinking and decisionmaking skills applicable to market entry, expansion, and competitive positioning in global markets.
6. **Application of Ethical and Sustainable Trade Practices:** Participants will understand the importance of ethical considerations and sustainability in international trade practices and apply these principles in their professional endeavours.
7. **Enhanced Professional Competencies:** Participants will enhance their negotiation, communication, and crosscultural competence skills relevant to international trade contexts.



# GOVERNMENT DEGREE COLLEGE, RAYACHOTY

(Affiliated to Yogi Vemana University)

CHITTOR ROAD, RAYACHOTY, YSR KADAPA DIST  
ACCREDITED BY NAAC WITH "C" GRADE



## DEPARTMENT OF COMPUTER APPLICATIONS

### A CERTIFICATE COURSE

ON

### "BASICS OF THE INTERNET"

GROUP – I / II YEAR B.COM CA STUDENTS

Academic Year : 2021-2022



TOPIC: "BASICS OF THE INTERNET" (30 HOURS)

GROUP – I / II YEAR B.COM CA STUDENTS

Certificate Course Convener :

**M. NAGARJUNA**

Lecturer in Computer Applications

Government Degree College

Rayachoty PIN : 516269



**GOVERNMENT DEGREE COLLEGE,**  
RAYACHOTY, YSR KADAPA DISTRICT, A.P.516269  
**Department of Computer Applications**



From

The Department of Computer Applications  
Government Degree College  
Rayachoty

To

The Principal,  
Government Degree College  
Rayachoty

**Subject: Request to Conduct Certificate Course on " BASICS OF THE INTERNET "**

Respected Madam,

I am writing to seek your approval to conduct a Certificate Course on " **BASICS OF THE INTERNET** " at Government Degree College, Rayachoty, from 04-10-2021 to 22-11-2021 This course aims to provide an in-depth understanding of the **BASICS OF THE INTERNET**, offering an invaluable learning opportunity for students and faculty members interested in the field of Computers.

The course will be coordinated by Mr. M. Nagarjuna Lecturer in Computer Applications 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 30-09-2020. 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,

*M. Nagarjuna*  
Government Degree College, Rayachoty



**GOVERNMENT DEGREE COLLEGE,**  
RAYACHOTY, YSR KADAPA DISTRICT, A.P.516269



**Department of Computer Applications**

Date: 21-09-2021

**CIRCULAR**

To,

All students and faculty Members,

Government Degree College Rayachoty.

**Subject: Certificate Course on BASICS OF THE INTERNET**

**Dear Sir/Madams,**

We are pleased to announce a certificate course on **BASICS OF THE INTERNET** to be conducted at Government Degree college Rayachoty. This course aims to provide the best Issues of Computer Maintenance for the students and faculty members.

**Course Details**

Course Duration: (30 Hours)

Venue: Government Degree College Rayachoty

Course Co-Ordinator: M. NAGARJUNA

Registration Fee: Free

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

*Md. Ismail*  
*Coordinator*

*CP*  
*CP*

*S. P. ...*

# CERTIFICATE COURSE ON THE BASICS OF THE INTERNET

## SYLLABUS

### Introduction to the Internet

History and Evolution - - Origins of the internet - Key milestones in internet development  
Basic Concepts - - What is the internet? - Differences between the internet and the World Wide Web - How the internet works (basic overview) Internet Infrastructure Hardware and Connectivity - Servers, routers, and data centers - Internet Service Providers (ISPs) - Internet Protocols - IP Addresses and DNS - HTTP, HTTPS, FTP, and other protocols - Network Types - LAN, WAN, and other network types - Browsers and Search Engines - Web Browsers - Overview of popular web browsers (Chrome, Firefox, Safari, Edge) - Browser features and functionalities - - How search engines work - Effective search techniques - Popular search engines (Google, Bing, DuckDuckGo)

### Online Communication

Email - Setting up an email account - Sending, receiving, and organizing emails - Email etiquette and security - Social Media - Overview of popular social media platforms (Facebook, Twitter, Instagram) - Creating and managing profiles - Privacy settings and online safety  
Instant Messaging and Video Conferencing - Tools and applications (WhatsApp, Skype, Zoom) - Best practices for online communication - Internet Security and Privacy - Online Threats - Viruses, malware, phishing, and other threats - Recognizing and avoiding scams - Security Measures - - Strong passwords and two-factor authentication - Antivirus software and firewalls - - The Future of the Internet - Potential developments and their impact on society - Ethical Considerations - - Ethical issues in internet usage and development

## OUTCOMES

Internet Fundamentals Grasp the history, evolution, and basic functioning of the internet. Differentiate between the internet and the World Wide Web. Internet Infrastructure – Identify key components like servers, routers, and ISPs. Understand internet protocols (IP, DNS, HTTP/HTTPS, FTP) and network types (LAN, WAN). Web Browsing and Search - Use web browsers (Chrome, Firefox, Safari) proficiently. Conduct effective searches with search engines (Google, Bing). - Online Communication - Set up and manage email accounts with proper etiquette and security. Navigate social media platforms (Facebook, Twitter) and use instant messaging and video conferencing tools (WhatsApp, Zoom).



# **GOVERNMENT DEGREE COLLEGE, RAYACHOTY**

(Affiliated to Yogi Vemana University)

Chittor Road, RAYACHOTY, YSR KADAPA Dist



**DEPARTMENT OF HISTORY**  
**A CERTIFICATE COURSE ON**  
**“BUDDHISM IMPACT OF INDIAN CULTURE”**

**GROUP: III BA HEP**

**Academic Year 2021-2022**



**Topic: BUDDHISM IMPACT OF INDIAN CULTURE (30 HOURS)**

**GROUP: III BA HEP**

**Certificate Course Convener :**

**K. GURAPPA**

**Lecturer in History**

**Government Degree College, Rayachoty**

**PIN : 516269**



GOVERNMENT DEGREE COLLEGE,  
RAYACHOTY, YSR KADAPA DISTRICT, A.P.516269

(Accredited with C grade by NAAC)



## Department of History

From  
K.Gurappa  
Department of History  
Government Degree College  
Rayachoti

To  
P.Harshalatha  
Principal  
Government Degree College  
Rayachoti

**Subject:** Request to Conduct Certificate Course on "Buddhism Impact of Indian Culture"

Respected Madam,

I am writing to seek your approval to conduct a Certificate Course on " Buddhism Impact of Indian Culture " at Government Degree College, Rayachoti, from 01-12-2021, to 07-01-2022. This course aims to provide an in-depth understanding of the Buddhism Impact of Indian Culture, offering an invaluable learning opportunity for students and faculty members interested in the field of Characteristics of Buddhism Impact of Indian Culture.

The course will be coordinated by Mr.K .Gurappa Lecturer in History. 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 30-11-2021. 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,

*K. Gurappa*  
Department of History

Government Degree College,

Rayachoti

*Permitted*  
*[Signature]*



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



## Department of HISTORY

Date: 30.11.2021

### CIRCULAR

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

**Subject:** Certificate Course on BUDDHISM IMPACT OF INDIAN CULTURE

Dear Sir/Madams,

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

### Course Details

Course Duration: 01-12-2021 to 07-01-2022 (30 Hours)

Venue: Government Degree College Rayachoty

Course Co-Ordinator: k.Gurrappa

Registration Fee: Free

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

K. Gurrappa  
1/12/2021

# Syllabus: Impact of Buddhism on Indian Culture

Birth, enlightenment, teachings, and death of Siddhartha Gautama. - Key events in Buddha's life: The Four Sights, Enlightenment under the Bodhi tree, and the First Sermon at Sarnath. - The Four Noble Truths and the Noble Eightfold Path. - Concepts of Karma, Dharma, and Nirvana. - Major branches of Buddhism: Theravada, Mahayana, and Vajrayana.

The role of King Ashoka in the propagation of Buddhism. - Major Buddhist Councils: First, Second, Third, and Fourth Councils. - Spread of Buddhism to Sri Lanka, Southeast Asia, Central Asia, and East Asia. - Key figures and missionaries in the spread of Buddhism.

Early Buddhist symbols and aniconic representations. - Evolution of Buddha images and iconography. - Structure and significance of stupas, viharas, and chaityas. - Famous Buddhist sites: Sanchi, Amaravati, Bharhut. - Ajanta and Ellora caves: their significance and artistic features. - Rock-cut architecture and murals.

The Tripitaka: Vinaya Pitaka, Sutta Pitaka, and Abhidhamma Pitaka. - Jataka Tales: Stories of Buddha's previous lives. - Contributions of Buddhist scholars and philosophers. - Influence of Buddhist literature on Indian languages and storytelling traditions. - The concept of Ahimsa (non-violence) and its social implications. - Influence on social structures and practices: caste system, gender roles, and education. - Ashoka's Dharma and governance. - Influence on subsequent Indian rulers and their policies.

## Certificate Course Outcome: Impact of Buddhism on Indian Culture

To understand the foundational principles and history of Buddhism. - To explore the significant influence of Buddhism on Indian art, architecture, literature, and socio-political structures. - To analyze the ways in which Buddhism contributed to the cultural and philosophical landscape of India.

### Learning Outcomes

Upon successful completion of this course, participants will be able to:

1. **Comprehend the Foundational Principles of Buddhism:**
2. **Historical Spread and Influence:**
3. **Buddhism and Indian Art and Architecture:**
4. **Literary Contributions:**
5. **Socio-political Impact:**
6. **Philosophical and Ethical Contributions:**
7. **Cultural Syncretism:**



# GOVERNMENT DEGREE COLLEGE, RAYACHOTY

(Affiliated to Yogi Vemana University)

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



## DEPARTMENT OF MATHEMATICS

### A CERTIFICATE COURSE

ON

### GRAPH THEORY

Academic Year : 2021-2022



TOPIC: GRAPH THEORY

(30 HOURS)

Certificate Course Convener :  
B.MALLIKARJUNA REDDY  
Lecturer in Mathematics  
Government Degree College  
Rayachoty PIN : 516269



# GOVERNMENT DEGREE COLLEGE

RAYACHOTY, KADAPA DISTRICT, A.P. 516269

(Accredited with C grade by NAAC)

## Department of Mathematics



From  
B.Mallikarjuna Reddy  
Lecturer in Mathematics  
Government Degree College  
Rayachoti

To  
The Principal  
Government Degree College  
Rayachoti

**Subject:** Request to Conduct Certificate Course on " **Graph theory** "

Respected Madam,

We are pleased to announce a Certificate Course on "**Graph theory**" the aim of graph theory is to study the properties, structures, and behaviors of graphs, which are mathematical structures used to model pairwise relationships between objects. Key objectives include

I am writing to seek your approval to conduct a Certificate Course on "**Graph theory**" at Government Degree College, Rayachoti, from 17-01-2022 to 22-02-2022.

The course will be coordinated by B.Mallikarjuna Reddy and Ch.Ramanjaneyulu, both Lecturers in Mathematics. 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 17-01-2022

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

PRINCIPAL  
Govt. Degree College  
Rayachoty.



# GOVERNMENT DEGREE COLLEGE

RAYACHOTY, KADAPA DISTRICT, A.P. 516269

(Accredited with C grade by NAAC)

## Department of Mathematics



### Circular

Date:04-01-2022

To,

All Students and Faculty Members,  
Government Degree College, Rayachoti

**Subject:** Certificate Course on Graph theory

Dear Sir/Madam,

We are pleased to announce a Certificate Course on "**Graph theory**" the aim of graph theory is to study the properties, structures, and behaviors of graphs, which are mathematical structures used to model pairwise relationships between objects. Key objectives include

Course Title : **Graph theory**

Duration: 17-01-2022 to 22-02-2022 (30 Hours)

Venue: Government Degree College, Rayachoti

Course Coordinators: B.Mallikarjuna Reddy and Ch.Ramanjaneyulu

Registration Deadline: 16-01-2022

Registration fee : Free

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

*By*  
*4/1/22*  
*B* → *IMPCS*  
*B* → *IMPCS*  
*B* → *IMPCS*  
*B* → *IMPCS*


# SYLLUBUS

## UNIT-I

Graphs & Subgraphs: Graphs and simple Graphs Isomorphism-Incidence and adjacency Matrices-Sub graphs-Vertex Degrees-Paths and connection (ycles-Shortest path-Problem Spemer's Lernm(15 HOURS)

## UNIT - II

Trees: Trees-Edges and Bonds-Cut vertices, Cayley's Formula -Applications-Connected problem(15 HOURS)

V.S.   
(B. Malleswara Reddy)

## Outcomes of certificate course Graph theory

1. **Understanding Fundamental Concepts:** Students will understand basic concepts in graph theory, including vertices, edges, paths, cycles, connectivity, and graph isomorphism.
2. **Graph Representations:** Students will be able to represent graphs using adjacency matrices, adjacency lists, and incidence matrices.
3. **Types of Graphs:** Students will identify and describe different types of graphs such as trees, bipartite graphs, planar graphs, and complete graphs.
4. **Graph Algorithms:** Students will implement and analyze fundamental graph algorithms, including depth-first search (DFS), breadth-first search (BFS), Dijkstra's algorithm, and Kruskal's and Prim's algorithms for finding minimum spanning trees.
5. **Graph Coloring:** Students will understand the concept of graph coloring and be able to apply algorithms for vertex coloring, edge coloring, and planarity testing.
6. **Network Flow:** Students will analyze network flow problems and apply algorithms such as the Ford-Fulkerson method to find maximum flows in networks.
7. **Theoretical Applications:** Students will explore theoretical applications of graph theory in computer science, biology, social sciences, and other fields.
8. **Problem-Solving Skills:** Students will develop problem-solving skills by applying graph theory concepts to solve complex problems.
9. **Research and Communication:** Students will conduct independent research on advanced topics in graph theory and present their findings both in written reports and oral presentations.
10. **Software Tools:** Students will use software tools and programming languages (such as Python with libraries like NetworkX) to model and analyze graphs.

These outcomes ensure that students not only understand the theoretical aspects of graph theory but can also apply these concepts to practical problems and research.



**GOVERNMENT COLLEGE, RAYACHOTY**

Affiliated to Yogi Vemana University

Rayachoty - 516269



(Accredited with "C" by NAAC)

---

**Certificate course**

**Department of Commerce**

**2021 - 22**



# GOVERNMENT DEGREE COLLEGE,

RAYACHOTY, YSR KADAPA DISTRICT, A.P.516269

(Accredited with C grade by NAAC)



## Department of Commerce

From  
U. prasad  
Head of Department of Commerce  
Government Degree College  
Rayachoti

To  
Dr. P. Harshalatha pankaj  
Principal  
Government Degree College  
Rayachoti

**Subject:** Permission to Conduct Certificate Course in Managerial Economics

Respected Madam,

I am writing to seek your permission to conduct a Certificate Course in Managerial Economics at Government Degree College, Rayachoti, from October 1, 2021, to November 13, 2021. This course aims to provide students with practical knowledge and skills related to Managerial Economics. The course will be conducted by experienced professionals and will offer hands-on training to enhance students' understanding Managerial Economics principles.

The duration of the course will be five weeks, and it will include both theoretical sessions. Students will have the opportunity to learn about preparations of accounting basic wiring principles and procedures. I assure you that all necessary safety precautions will be taken during the course. I kindly request your approval to proceed with the organization of this course.

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

Sincerely,

Head of Department of Commerce

Government Degree College

Rayachoti

Permitted  
  
PRINCIPAL  
GOVT. DEGREE COLLEGE  
RAYACHOTY



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



## Department of Commerce

Date: 27.09.2021

### CIRCULAR

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

**Subject:** Certificate Course on Managerial Economics.

**Dear Sir/Madams,**

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

### Course Details

Course Duration: 01-10-2021 to 13-11-2021 (30 Hours)

Venue: Government Degree College Rayachoty

Course Co-Ordinator: U. PRASAD

Registration Fee: Free

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

*Handwritten signatures:*  
B. E. ...  
Y. ...  
S. S. ...  
N. R. ...  
S. ...



**GOVERNMENT DEGREE COLLEGE,**  
RAYACHOTY, ANNAMAYYA DISTRICT, A.P.516269

(Accredited with C grade by NAAC)



**Department of Commerce**

---

**Certificate course on**  
**MANAGERIAL ECONOMICS SYLLABUS**

**UNIT -1 – Nature and Scope of Managerial Economics:( 10 hrs.)**

Objective of the firm – profit and wealth maximization. Fundamental concepts – opportunity cost, discounting principle, and time perspective.

**UNIT – 2 – Consumer Behaviors:( 8 hrs.)**

Determination demand, demand function, indifference curve analysis, characteristics of indifference curve and consumers equilibrium, types of demand elasticity.

**UNIT -3 – Production and cost:( 12 hrs.)**

Production function, concept of production, isoquants ridge lines is cost lines, expansion path and multi product firm, Cobbe Douglas. Cost function: classification of costs incremental cost, its relevance in decision making, short run and long run cost functions. Law of variable proportion

## Outcomes:

1. **Improved Decision-Making:** Managers equipped with knowledge from managerial economics, consumer behavior, and production and cost analysis can make more informed decisions regarding pricing strategies, production planning, resource allocation, and investment opportunities.
2. **Enhanced Efficiency and Productivity:** Understanding production functions, cost structures, and consumer behavior enables managers to optimize resource use, streamline operations, and improve overall productivity.
3. **Strategic Planning:** Insights into demand forecasting, cost management, and profit maximization strategies help in formulating long-term business strategies that align with market conditions and organizational goals.
4. **Competitive Advantage:** Applying concepts like demand elasticity and cost analysis enables businesses to respond effectively to market changes, differentiate themselves from competitors, and enhance their market position.
5. **Financial Performance:** By focusing on profit maximization, wealth creation, and cost efficiency, managers can contribute to the financial health and sustainability of the organization, ensuring long-term growth and profitability.



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

---

**DEPARTMENT OF PHYSICS**

**A CERTIFICATE COURSE ON**

**HOUSEHOLD ELECTRICAL APPLIANCE**

**Academic Year: 2021-2022**



**Topic: HOUSEHOLD ELECTRICAL APPLIANCE (30Hours))**

**Certificate Course Coordinators**

**B. Kiran Kumar ,Lecturer in Physics**

**B.Venkata Rao,Lecturer in Physics**

From  
B. Kiran Kumar  
Head of Department of Physics  
Government Degree College  
Rayachoti

To  
Dr. P. Harshalatha  
Principal  
Government Degree College  
Rayachoti

Respected Madam,

**Subject:** Permission to Conduct Certificate Course in Household Electrical Appliance Repairs

I am writing to seek permission to conduct a certificate course in Household Electrical Appliance Repairs at our institution from 01-11-2021 to 10-12-2021. The course duration will be 30 hours and aims to provide participants with practical knowledge and skills in repairing household electrical appliances such as fans, inverters, and tube lights. The course will cover topics such as electrical accessories, tools, terminology, electricity, electrical wiring, minor repairs, and safety working techniques.

We are pleased to inform you that this course will be offered free of cost to all participants. We believe that this initiative will not only enhance the practical skills of our students but also contribute to their overall professional development. We assure you that all necessary safety precautions will be taken during the course to ensure the well-being of our students and staff.

We kindly request your permission to conduct this course and use the necessary facilities at our institution. We are confident that this course will be beneficial for our students and contribute to the reputation of our institution.

Thank you for considering our request. We look forward to your favourable response.

Yours sincerely,

  
B. Kiran Kumar 22/10/2021.

Head of Department of Physics

Government Degree College

Rayachoti

*Handwritten note:*  
Rd  
22/10/21

## Circular

**To:** All Staff and Students

**Date:** 25-10-2021

**Subject:** Certificate Course in Household Electrical Appliance Repairs

We are pleased to announce that Department of Physics will be conducting a certificate course in Household Electrical Appliance Repairs from 01-11-2021 to 10-12-2021. The course will be conducted for a duration of 30 hours and will be offered free of cost to all participants.

### Course Overview:

The course aims to provide participants with practical knowledge and skills in repairing household electrical appliances such as fans, inverters, and tube lights. The course will cover topics such as electrical accessories, tools, terminology, electricity, electrical wiring, minor repairs, and safety working techniques.

### Course Details:

**Duration:** 30 hours

**Dates:** 01-11-2021 to 10-12-2021

**Time:** 4-5 PM

**Venue:** Department of Physics

**Cost:** Free of cost

### Registration:

Registration for the course is open to all interested individuals. To register, please contact Dr. B. Venkata Rao, Lecturer in Physics.

### Benefits:

Enhance practical skills in repairing household electrical appliances


Contribute to overall professional development

Course offered free of cost

We encourage all interested individuals to take advantage of this opportunity to enhance their skills and knowledge in household electrical appliance repairs.

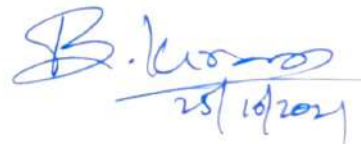
Thank you.

Sincerely,

 25/10/2021  
PHYSICS

B. Sreedhar, MPCS  
25/10/2021

  
Sincerely

  
25/10/2021

**GOVERNMENT DEGREE COLLEGE,  
RAYACHOTY  
Department of Physics**

---

**Syllabus**

Certificate Course

on

**Household Electrical Appliance Repairs**

**Unit:1**

**Introduction to the electrical accessories, tools and Terminology (6hours)**

Switch, Holder, Regulator, Sockets, Fuse, MCB, Electrical boxes, Types of pipes, Clamps, Plug, Adapter, Cutting Plier, Tester, Screw driver, Stripper, Pipe rinch.

**Unit:2**

**Electricity and Electrical wiring (12 hours)**

Voltage, Current, Resistance, Capacitance, Inductance, Electrical conductors and Insulators, Ohm's law, Series and parallel combinations of resistors, Direct current and alternating current, Types of wires, Gauges of wire, Wiring, Types of Wiring, Board Wiring, House Wiring, House Wiring, Inverter Wiring.

**Unit:3**

Minor repairs in Fan, Inverter, Tube light Frame (8 Hours)

**Unit 4:**

Safety working techniques and precautions (4 Hours)

**GOVERNMENT DEGREE COLLEGE,  
RAYACHOTY**  
Department of Physics

---

**Outcomes of the Certificate Course on  
Household electrical appliance repairs**

**Understanding Electrical Components and Tools:**

Gain knowledge of various electrical accessories, tools, and their applications in household electrical repairs.

**Basic Electrical Theory and Wiring Skills:**

Develop a strong foundation in electrical concepts and proficiency in different types of wiring techniques, including house and inverter wiring.

**Troubleshooting and Repair Skills:**

Acquire the ability to diagnose and perform minor repairs on common household electrical appliances like fans, inverters, and tube light frames.

**Safety Practices:**

Learn and implement essential safety practices and precautions to ensure safe handling and repair of electrical appliances, minimizing the risk of accidents.

**Hands-On Experience:**

Gain practical experience in using electrical tools and performing wiring and repair tasks, building confidence and competence in handling electrical repairs.

This course aims to equip learners with the essential skills and knowledge required for safely and effectively handling and repairing household electrical appliances.

# **GOVERNMENT DEGREE COLLEGE**

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

*(Accredited with C by NAAC)*



## **Certificate Course in Analysis of Cool Drinks**

**Department of Chemistry**  
**2021-22**

Certificate Course Convener:  
M Bhanu Prakash Reddy  
Lecturer in Chemistry  
Government Degree College, Rayachoty.

Principal permission letter

From

Date 20.11.21

Dept of Chemistry  
Govt. Degree College  
Rayachoty

To

The Principal  
Govt Degree College  
Rayachoty

Respected Madam,

**Subject:**-Request for permission to conduct a certificate course in water analysis for the academic year 2021—2022 Regarding.

Department of Chemistry is planning to conduct a certificate course on **Cool drink Analysis** from 29/11/21 to 6/01/22 for the academic year 2021 -- 2022, in this connection we need your cooperation and permission to utilize the college resources for the smooth conduct of the above-said program.

Therefore hoping that you will give us your cooperation and permission for the smooth completion of the above-mentioned program.

Thanking you madam,

  
Yours faithfully

Permitted  
  
PRINCIPAL  
GOVT. DEGREE COLLEGE  
RAYACHOTY



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



Date: 21-11-2021

## Circular

To

All Students and Faculty Members,  
Government Degree College, Rayachoti

**Subject:** Certificate Course on Qualitative analysis of cool drinks available in market

Dear Sir/Madam,

We are pleased to announce a Certificate Course on "**Qualitative analysis of cool drinks available in market**" to be conducted at Government Degree College, Rayachoti. This course aims to provide an-in depth understanding of cool drink analysis and procedure. Offering an invaluable opportunity for students and faculty members interested in the field of cool drink analysis.

**Course Details:**

Course Title: Analysis of cool drinks

Duration: 29-11-2021 to 06-01-2022 (30 Hours)

Venue: Government Degree College, Rayachoti

Course Coordinators: Mr. M. Bhanu Prakash Reddy, Lecturer in Chemistry

Registration Deadline: 25-11-2021

**Registration fee : Free**

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

  
**PRINCIPAL**  
**GOVT. DEGREE COLLEGE**  
**RAYACHOTY**

# GOVERNMENT DEGREE COLLEGE

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

*(Accredited with C by NAAC)*

*Certificate Course In Qualitative Analysis of cooldrinks Available in market*

## Syllabus

### Unit – 1

Introduction – Theory – apparatus-chemicals required- detection of pH-test for carbon dioxide-test for glucose(Fehling solution)-test for alcohol-test for sucrose

### Unit-2

Result analysis of findings in qualitative analysis of cool drinks- disadvantages of cooldrinks-advantages (uses) od cold drinks available in market. Coco cola, Thumps up, Pepsi Fanta and Mazza etc.

### Bibliography

[www.google.com](http://www.google.com)

[www.wikipedia.com](http://www.wikipedia.com)

# GOVERNMENT DEGREE COLLEGE

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

*(Accredited with C by NAAC)*

## Certificate Course In Cool Drink Analysis

### OUTCOMES

After successfully completion of the course , students will be able to -----

1. Understand the composition and chemical properties of various cool drinks.
2. Identify common additives and preservatives used in cool drinks.
3. Explain the health impacts of consuming different types of cool drinks.
4. Describe the methods and techniques used for the chemical analysis of cool drinks.
5. Understand the legal framework and regulations related to the safety and labeling of cool drinks.
6. Analyze case studies on contamination and quality issues in the cool drink industry.
7. Develop skills to conduct laboratory tests for detecting contaminants and additives in cool drinks.
8. Discuss the sources and types of contaminants commonly found in cool drinks.
9. Understand the roles and responsibilities of organizations involved in the regulation of cool drink quality.
10. Apply knowledge of cool drink analysis to create awareness and educate the public about safe consumption.



**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**

**"URDU TARJUMA NIGARI"**

**GROUP BA HUP URDU MEDIUM STUDENTS**

**Academic Year 2021-2022**

**Topic: "URDU TARJUMA NIGARI"**

**GROUP: BA HUP Urdu Medium**

**Certificate Course Convener:**

**Dr S. FAROOQ BASHA**

**Lecturer in URDU**

**Government Degree College, Rayachoty**

**PIN: 516269**



# GOVERNMENT DEGREE COLLEGE,

RAYACHOTY, ANNAMAYYA DISTRICT, A.P.516269

(Accredited with C grade by NAAC)



## Department of Urdu

From  
Dr. Shaik. Farooq Basha  
Head of Department of Urdu  
Government Degree College  
Rayachoty.

To  
Principal  
Government Degree College  
Rayachoty.

**Subject:** Request to Conduct Certificate Course on "Urdu Translation"


Respected Madam,

I am writing to seek your approval to conduct a certificate Course on "**Urdu Translation**" at Government Degree College, Rayachoty, from 21-03-2022 To 30-04-2022. This course aims to provide the students about Urdu translation 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.Farooq 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 15-03-2022. 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: 05.03.2022

**CIRCULAR**

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

**Subject:** Certificate Course in "Urdu Translation"

Dear Sir/Madams,

We are pleased to announce a certificate course in "Urdu Translation" to be conducted at Government Degree college Rayachoty. This course aims to provide the basic knowledge of "Urdu Translation" for the students and faculty members.

**Course Details**

Course Duration: 21-03-2022 To 30-04-2022 (30 Hours)

Venue: Government Degree College Rayachoty

Course Co-ordinator: Dr.Shaik Farook Basha

Registrations Deadlines: 20-03-2022

Registration Fee: Free

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

*lx*  
*05/03/22*

*Sm*  
Md. Ismail  
A. U. Khan  
N. A. Khan

# GOVT DEGREE COLLEGE, RAYACHOTY

DEPT OF URDU

SYLLABUS

CERTIFICATE COURSE IN URDU TRANSLATION

(URDU TARJUMA NIGARI)

(Certificate Course offered w.e.f Academic Year 2021-22)

نصاب برائے سرٹی فلیٹ کورس: اردو ترجمہ نگاری  
(تعلیمی سال ۲۲-۲۰۲۱ سے نافذ)

|  |
|--|
| اکائی اول (۶ تدریسی گھنٹے) Unit-I (6 Hours)  |
| ترجمے کا فن: تعریف ترجمے کی اہمیت اور ضرورت-ترجمے کے آلات<br>Art of Translation : Definition, Importance and Need of Translation-Tools of Translation.   |
| اکائی دوم (۶ تدریسی گھنٹے) Unit-II (6 Hours)   |
| ترجمے سے اسوں و سواہد، کن فی زبان کرستے ن زبان ساس رستہ قواعد- الفاظ ہا ر ہما اصطلاحات ہا ر ہما<br>Rules and Regulations of Translation: Source Language & Target Language, Linguistics and Grammar of both the Languages-Translation of Words, Translation of Terms.                  |
| اکائی سوم (۶ تدریسی گھنٹے) Unit-III (6 Hours)  |
| ترجمے کے طریقے: لفظی ترجمہ، محاورہ ترجمہ، آزاد ترجمہ، منظوم ترجمہ، تخلیقی<br>Methods of Translation : Word to word Translation, Idiomatic Translation, Free Translation, Poetic Translation, Re-creation.  |
| اکائی چہارم (۶ تدریسی گھنٹے) Unit-IV (6 Hours)   |
| اردو ترجمے کی تاریخ: اردو ترجمے کے ابتدائی نمونے، فورٹ ولیم کالج، دہلی کالج، دارالترجمہ عثمانیہ-عصر حاضر میں اردو تراجم<br>History of Urdu Translation : Early samples of Urdu Translation, Fort William College, Delhi College, Darut Tarjuma Osmania-Contemporary Urdu Translations. |
| اکائی پنجم (۶ تدریسی گھنٹے) Unit-V (6 Hours)   |
| ترجمے کی مشقیں: اردو سے انگریزی اور تلگو میں ترجمہ-انگریزی اور تلگو سے اردو میں ترجمہ<br>Translation Exercises : Translation from Urdu into English and Telugu-Translation from English and Telugu into Urdu.  |
| سفارش کردہ کتابیں<br>Suggested Books   |
| 1. Tarjume ka Funn aur Riwayat : Ed. Prof. Qamar Rayees مرتب پروفیسر قمر رئیس  |
| 2. Funn e Tarjuma Nigari : Ed. Dr. Khaleeq Anjum مرتب ڈاکٹر خلیق انجم  |
| 3. Usoole Waz e Istilahaat : Waheeduddin Saleem وحید الدین سلیم  |
| 4. Funn e Tarjuma Nigari : Prof. Zahuruddin پروفیسر ظہور الدین   |
| 5. Tarjume ke Fanni aur Amlı Mabahıs : Under UGC's SAP Programme پروگرام کے تحت اور عملی مباحث : UGC کے SAP پروگرام  |
| 6. Darut Tarjuma Jamia Osmania ki Adabi Khidmaat : Majeed Bedaar مجید بیدار دارالترجمہ جامعہ عثمانیہ کی ادبی خدمات   |

# **GOVT DEGREE COLLEGE, RAYACHOTY**

## **DEPT OF URDU**

### *OUT COMES*

#### *CERTIFICATE COURSE IN URDU TRANSLATION (URDU TARJUMA NIGARI)*

At the end of the course, the student is expected to demonstrate the following Cognitive abilities (thinking skill) and Psychomotor Skills as per the Bloom's Taxonomy: Knowledge, Comprehension, Application, Analysis, Synthesis, and Evaluation for the Remembering, Understanding, Applying and Analyzing, Evaluating and Creating.

- (1) Understand and explain Translation Tools.
- (2) Explain important Features and characteristics of Methods of Translation.
- (3) Understand and explain the history and early works in Translation in Urdu.
- (4) Shall be able to translate form English & Telugu in to Urdu.
- (5) Shall be able to translate form Urdu to English & Telugu



# GOVERNMENT COLLEGE, RAYACHOTY

ACCREDITED BY NAAC WITH 'C' GRADE

Affiliated to Yogi Vemana University, Kadapa-516005

Rayachoty - 516269



## DEPARTMENT OF ECONOMICS

CERTIFICATE - COURSE(2021-22)



# DIGITAL-MARKETING

Date 31.8.21

To,  
The Principal,  
Government Degree College Rayachoty,

**Subject: Letter for Conducting a Certificate Course in College (Digital Marketing)**

**Respected Sir,**

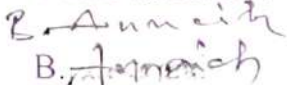
I am writing to express my earnest request for the **introduction of a certificate course on Digital Marketing** in our esteemed college. As a student who values holistic education, I believe that such courses can significantly enhance our learning experience and contribute to our overall development.

I believe a certificate course on Digital Marketing would be beneficial:

1. **Skill Enhancement:** A certificate course on Digital Marketing would allow students to acquire specialized skills beyond their regular curriculum. It could cover areas like **social media marketing, search engine optimization (SEO), content creation, and analytics**, which are highly relevant in today's competitive world.
2. **Career Prospects:** Offering a Digital Marketing certificate course would make our college more attractive to prospective students. Many employers value candidates with additional certifications, and having such a course on our resume could open up new career opportunities.
3. **Diversification:** A Digital Marketing course would cater to different interests and aptitudes. Whether it's **creating effective ad campaigns, understanding consumer behavior, or managing online presence**, students would have the chance to explore diverse fields within the digital realm.
4. **Networking:** The course could involve guest lectures, workshops, and industry interactions. These events provide excellent networking opportunities and expose students to real-world scenarios in the digital marketing industry.
5. **Value Addition:** By participating in the Digital Marketing certificate course, students can gain practical knowledge and apply it directly.

**I kindly request your consideration in initiating the process of introducing the Digital Marketing certificate course.** I propose that a committee be formed to assess the

  
**PRINCIPAL**  
Govt. Degree College  
Rayachoty.

Yours sincerely,  
  
B. Anandh  
B. Anandh



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



## Department of Economics

Date: 27.08.2021

### CIRCULAR

To,

All students and faculty Members,

Government Degree College Rayachoty.

**Subject:** Certificate Course on DIGITAL MARKET.

Dear Sir/Madams,

We are pleased to announce a certificate course on Digital Market to be conducted at Government Degree college Rayachoty. This course aims to provide the best preparation of Digital Market for the students and faculty members.

### Course Details

Course Duration: 01-09-2021 to 08-10-2021 (30 Hours)

Venue: Government Degree College Rayachoty

Course Co-Ordinator: B.

Registration Fee: Free

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

ARB

CPD  
[Signature]

# DIGITAL-MARKETING

## SYLLABUS

### 1. Introduction to Digital Marketing:

- Overview of digital marketing landscape
- Evolution and importance of digital marketing
- Understanding digital marketing channels

### 2. Website Development and Optimization:

- Basics of website development
- User experience (UX) design principles
- Search engine optimization (SEO) techniques
- Conversion rate optimization (CRO)
- Mobile optimization

### 3. Content Marketing:

- Content creation strategies
- Content distribution channels (e.g., blogs, social media, email)
- Content calendar planning
- Measuring content effectiveness

# Course -Out Comes

1. **Comprehensive Understanding of Digital Marketing:** Students will gain a deep understanding of the digital marketing landscape, including its various channels, tools, and techniques.
  2. **Proficiency in Digital Marketing Tools and Platforms:** Students will become proficient in using a wide range of digital marketing tools and platforms, such as Google Analytics, social media management tools, email marketing software, and content management systems.
  3. **Strategic Thinking and Planning:** Students will be able to develop strategic digital marketing plans aligned with organizational objectives, target audience preferences, and industry best practices.
  4. **Execution and Optimization of Campaigns:** Students will have the skills to plan, execute, and optimize digital marketing campaigns across different channels, including search engines, social media, email, and websites.
  5. **Analytical and Data-Driven Decision Making:** Students will develop strong analytical abilities to interpret data, measure campaign performance, identify trends, and make data-driven decisions to optimize marketing strategies.
  6. **Creativity and Innovation:** Students will demonstrate creativity and innovation in digital marketing approaches, content creation, and campaign execution to effectively engage and convert target audiences.
  7. **Ethical and Legal Compliance:** Students will understand ethical marketing practices and legal regulations governing digital marketing activities, ensuring compliance with data privacy laws, intellectual property rights, and advertising standards.
  8. **Career Readiness:** Graduates will be well-prepared for various career opportunities in digital marketing, including roles such as digital marketing specialist, social media manager, SEO strategist, content marketer, and digital advertising manager.
  9. **Entrepreneurial Skills:** Aspiring entrepreneurs and small business owners will acquire the knowledge and skills needed to leverage digital marketing effectively to promote their products or services, reach their target audience, and achieve business growth.
  10. **Continued Learning and Adaptability:** Students will develop a mindset of continuous learning and adaptability to stay updated with emerging trends and technologies in digital marketing, positioning themselves as valuable assets in the industry.
- Overall, the outcomes of a certificate course in digital marketing aim to empower students with the expertise and confidence needed to excel in the dynamic and competitive field of digital marketing.



## **GOVERNMENT DEGREE COLLEGE, RAYACHOTY**

(Affiliated to Yogi Vemana University)

Chittor Road, Rayachoty, Kadapa (Dist.)

ACCREDITED BY NAAC WITH "C" GRADE



---

**DEPARTMENT OF POLITICAL SCIENCE UM**  
**A CERTIFICATE COURSE ON "DIGITAL GOVERNANCE"**  
**GROUP BA HUP URDU MEDIUM STUDENTS**  
**Academic Year 2021-2022**

**Topic "Digital Governance" (30 HOURS)**

**GROUP: BA HUP**

**Certificate Course Convener :**

**A KHAJA VICE KHIRNI**

**Lecturer in Political Science**

**Government Degree College, Rayachoty**

**PIN : 516269**



# GOVERNMENT DEGREE COLLEGE

RAYACHOTY, KADAPA DISTRICT, A.P.516269

(Accredited with C grade by NAAC)



## Department of Political Science

From  
A Khaja vice Khirmi  
Head of Department of History  
Government Degree College  
Rayachoti.

To  
Dr P Harsha Latha  
Principal  
Government Degree College  
Rayachoti.

**Subject:** Request to Conduct Add on Course on “**Digital Governance**”

Respected Madam,

I am writing to seek your approval to conduct a Certificate course on “**Digital Governance**” at Government Degree College, Rayachoti, from 05-01-2022 To 18-02-2022 This course aims to provide the students about “**Digital Governance**”.

The course will be coordinated by A KHAJA VICE KHIRNI 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 03-01-2022. 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 Political Science**

Date: 30.12.2021

**CIRCULAR**

To,

All students and faculty Members,

Government Degree College Rayachoty.

**Subject:** Certificate Course "DIGITAL GOVERNANCE"

Dear Sir/Madams,

We are pleased to announce a certificate course on "DIGITAL GOVERNANCE" to be conducted at Government Degree college Rayachoty. This course aims to provide the best issues of "DIGITAL GOVERNANCE" for the students and faculty members.

**Course Details**

Course Duration: 05-01-2022 To 18-02-2022 (30 Hours)

Venue: Government Degree College Rayachoty

Course Co-Ordinator: A KHAJA VICE KHIRNI

**Registrations Deadlines: 03-01-2022**

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.

*30/12/21*

*Asst. Prof.*  
*N. A. Prasad*  
*Md. Ismail*  
*CP*

## Syllabus:

### Unit: I

#### Introduction to Law in the Digital Age

In this first module we will begin to explore the relationships between the digital age and law with Dr. Ittai Bar-Siman-Tov. We will discuss the role of law in the digital age, the influence of big data on law and the legal practice. And of course the effects of data science on legal studies and research. The module contains a few videos, some readings and a few discussion prompts. We encourage you to engage with your fellow learners by actively taking part in the discussion. Remember there is no 'right or wrong' answers, the discussion prompt is to share different insights and perspectives on the topics.

### Unit: II

#### E-Democracy

In this module we introduce the concept of e-democracy and see how the digital space opens new avenues for democratic deliberation, lowering barriers for participation, realizing the vision of transparency. We will also discuss some pitfalls and challenges related to e-democracy and look into the future. Our expert, professor Oren Perez, will offer some interesting insights and share some of his research outcomes. The module contains a few videos, some readings, a few discussion prompts and some quiz questions. We encourage you to engage with your fellow learners by actively taking part of the discussion in the discussion prompt. Remember there is no 'right or wrong' answers, the discussion prompt is to share different insights and perspectives on the topics. For the quizzes, pay attention to what is being said in the videos and read the papers in the module for in depth knowledge.

### Unit: III

#### Automation of Government Administration

In this module you will gain knowledge of digitalization in the public domain and will develop insight into the governance risks, especially for the rule of law. Attention is given to decision-making systems, surveillance systems and to the shortcomings of the incumbent legal

mechanisms to afford real protection against harm and malpractice by authorities. This leads to a further confrontation with the disruptive effects of new technologies on current legal frameworks.

This module contains three discussion prompts. In these prompts you are requested to share your insights and views on this complex topic. By replying to the prompts, you and peers will be able to learn from each other and exchange knowledge gained through the readings and videos. We are also welcoming your input regarding your national context, so we can truly broaden our horizon and paint a global picture on e-government

## Unit: IV

### Competition and Regulation in Digital Markets

In this module, you will develop an understanding of how competition and regulation in digital markets have a role to play in ensuring that these markets deliver the best outcomes for all participants in the digital economy including consumers and businesses. At the end of the module, you will have a grasp of the basic concepts of competition and regulation in digital markets and when it may be necessary for authorities to intervene in such markets to ensure that they remain competitive. The module will also allow you to build a deeper understanding of the common features of digital markets with online platforms, features of multi-sided platform markets, and the fundamental principles of competition law and regulation. The module will also allow you to take a closer look at some examples of competition law interventions against practices of big technology companies such as Google and Amazon, and at regulations from around the world regarding different business practices of big technology companies.

## Certificate Course Outcomes:

Digital Governance Certificate Course typically equips participants with a range of knowledge and skills related to managing digital resources and strategies within governmental or organizational contexts. Here are some common outcomes you might expect:

1. **Understanding of Digital Governance Frameworks:** Participants gain knowledge of the various frameworks and models that govern digital strategies and operations within public and private sectors.
2. **Policy Development and Implementation:** Ability to develop and implement digital policies that align with organizational goals and regulatory requirements.
3. **Digital Transformation Strategies:** Understanding how to plan and execute digital transformation initiatives, including integrating new technologies and improving digital service delivery.
4. **Data Management and Privacy:** Knowledge of best practices in data management, security, and privacy compliance, especially concerning sensitive governmental information.
5. **Risk Management:** Skills in identifying and mitigating risks associated with digital projects and operations, ensuring resilience and continuity.
6. **Stakeholder Engagement:** Techniques for effectively engaging stakeholders in digital governance processes, fostering collaboration and support.
7. **Ethical and Legal Considerations:** Awareness of ethical issues and legal frameworks relevant to digital governance, ensuring responsible decision-making.
8. **Performance Measurement and Evaluation:** Ability to assess the impact of digital initiatives, using metrics and evaluations to inform future strategies.
9. **Leadership and Change Management:** Skills to lead digital governance initiatives, manage change, and foster a culture of innovation within organizations.
10. **Networking and Collaboration:** Opportunities to network with professionals in the field, exchanging ideas and best practices for effective digital governance.

Overall, a Digital Governance Certificate Course aims to prepare participants to navigate the complexities of managing digital resources, policies, and strategies effectively in governmental or organizational settings. These outcomes help ensure that participants are equipped to address challenges and leverage opportunities in the digital age responsibly and innovatively.

# GOVERNMENT DEGREE COLLEGE

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

*(Accredited with C by NAAC)*



## **Certificate Course in Food Adulteration**

## **Department of Chemistry 2020-21**

Certificate Course Convener:

M Bhanu Prakash Reddy

Lecturer in Chemistry

Government Degree College, Rayachoty.

Principal permission letter

From  
Dept of Chemistry  
G.D.C RayaChoty

Date:20-01-21

To  
The Principal,  
Govt Degree College RayaChoty  
Respected Madam,

Subject:- Request for permission to conduct a certificate course in Food Adulteration for the academic year 2020—2021 Regarding

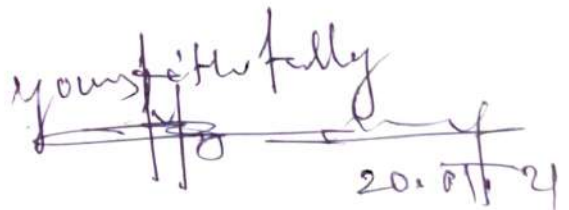
Department of Chemistry is planning to conduct a certificate course on **Food Adulteration** from 01/02/21 to 12/03/21 for the academic year 2020 --2021, in this connection we need your cooperation and permission to utilize the college resources for the smooth conduct of the above-said program.

Therefore hoping that you will give us your cooperation and permission for the smooth completion of the above-mentioned program.

Thanking you madam.

Permitted  


PRINCIPAL  
GOVT. DEGREE COLLEGE  
RAYACHOTY

Yours faithfully  
  
20.01.21



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



Date: 20-01-2021

## Circular

To

All Students and Faculty Members,  
Government Degree College, Rayachoti

**Subject:** Certificate Course on Food Adulteration.

Dear Sir/Madam,

We are pleased to announce a Certificate Course on " Food Adulteration " to be conducted at Government Degree College, Rayachoti. This course aims to provide an in depth understanding of Food Adulteration and procedure. Offering an invaluable opportunity for students and faculty members interested in the field of Food Adulteration.

**Course Details:**

Course Title: Food Adulteration

Duration: 01-02-2021 to 12-03-2021 (30 Hours)

Venue: Government Degree College, Rayachoti

Course Coordinators: Mr. M. Bhanu Prakash Reddy, Lecturer in Chemistry

Registration Deadline: 27-01-2021

**Registration fee : Free**

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

  
**PRINCIPAL**  
Govt. Degree College  
Rayachoty.

# GOVERNMENT DEGREE COLLEGE

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

*(Accredited with C by NAAC)*

## Certificate Course In Food Adulteration

### Syllabus

#### **UNIT-I – Common Foods and Adulteration:**

Common Foods subjected to Adulteration - Adulteration – Definition – Types; Poisonous substances, Foreign matter, Cheap substitutes, Spoiled parts. Adulteration through Food Additives – Intentional and incidental. General Impact on Human Health.

#### **UNIT-II –: Adulteration of Common Foods and Methods of Detection:**

Means of Adulteration Methods of Detection Adulterants in the following Foods; Milk, Oil, Grain, Sugar, Spices and condiments, Processed food, Fruits and vegetables. Additives and Sweetening agents (at least three methods of detection for each food item).

#### **UNIT-III –: Present Laws and Procedures on Adulteration:**

Highlights of Food Safety and Standards Act 2006 (FSSA) – Food Safety and Standards Authority of India – Rules and Procedures of Local Authorities.  
Role of voluntary agencies such as, Agmark, I.S.I. Quality control laboratories of companies, Private testing laboratories, Quality control laboratories of consumer co-operatives.  
Consumer education, Consumer's problems, rights and responsibilities, COPRA 2019 - Offenses and Penalties – Procedures to Complain – Compensation to Victims.

# GOVERNMENT DEGREE COLLEGE

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

*(Accredited with C by NAAC)*

## Certificate Course In Food Adulteration

### OUTCOMES

After successfully completion of the course , students will be able to -----

1. Understand the definition and types of food adulteration.
2. Identify common food adulterants in various food products.
3. Explain the health impacts of consuming adulterated food.
4. Describe methods for detecting food adulteration.
5. Evaluate the effectiveness of different food adulteration detection techniques.
6. Understand the legal framework and regulations related to food safety and adulteration.
7. Develop skills to conduct simple tests for detecting food adulterants in everyday food items.
8. Discuss the ethical considerations and motivations behind food adulteration.
9. Understand the roles and responsibilities of organizations involved in food safety and regulation.
10. Apply knowledge of food adulteration to create awareness and educate the public.



# **GOVERNMENT DEGREE COLLEGE, RAYACHOTY**

(Affiliated to Yogi Vemana University)

CHITTOR ROAD, RAYACHOTY, YSR KADAPA DIST  
ACCREDITED BY NAAC WITH "C" GRADE



## **DEPARTMENT OF COMPUTER APPLICATIONS**

### **A CERTIFICATE COURSE**

**ON**

### **"COMPUTER NETWORKS"**

**GROUP – II / III YEAR B.COM CA STUDENTS**

**Academic Year : 2020-2021**



**TOPIC: "COMPUTER NETWORKS" (30 HOURS)**

**GROUP – II / III YEAR B.COM CA STUDENTS**

**Certificate Course Convener :**

**M. NAGARJUNA**

**Lecturer in Computer Applications**

**Government Degree College**

**Rayachoty PIN : 516269**



**GOVERNMENT DEGREE COLLEGE,**  
RAYACHOTY, YSR KADAPA DISTRICT, A.P.516269



**Department of Computer Applications**

From

The Department of Computer Applications  
Government Degree College  
Rayachoty

To

The Principal,  
Government Degree College  
Rayachoty

**Subject: Request to Conduct Certificate Course on " Computer Networks "**

Respected Madam,

I am writing to seek your approval to conduct a Certificate Course on " **Computer Networks**" at Government Degree College, Rayachoty, from 01-10-2020 to 18-11-2020 This course aims to provide an in-depth understanding of the **Computer Networks**, offering an invaluable learning opportunity for students and faculty members interested in the field of Computers.

The course will be coordinated by Mr. M. Nagarjuna Lecturer in Computer Applications 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 30-09-2020. 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,

*M. Nagarjuna*

Government Degree College, Rayachoty



# Certificate Course On Computer Networks

## SYLLABUS

### Introduction to Computer Networks

Overview of Computer Networks - - Importance and Applications - Network Types: LAN, WAN, MAN - Network Topologies - OSI Model Layers: Functions and Protocols - TCP/IP Model - Comparison between OSI and TCP/IP Models - Data Transmission Basics - Transmission Media: Wired and Wireless - Network Devices: Routers, Switches, Hubs, Modems - Network Interface Cards (NICs) - - Networking Standards and Protocols - - Introduction to IEEE Standards.

### Networking Fundamentals

IP Addressing: IPv4 and IPv6 - - Subnetting Basics - Network Layer Protocols: IP, ICMP, ARP - Address Resolution Protocol (ARP) - Transport Layer Protocols: TCP, UDP-- Port Numbers and Their Uses- Application Layer Protocols: HTTP, HTTPS, FTP, SMTP, DNS -- Network Security Basics- Common Threats and Mitigation Techniques - Firewalls and Intrusion Detection Systems (IDS) - Basic Firewall Configuration

### Network Configuration and Management

Basic Network Configuration-- IP Address Configuration in Different OS- Configuring and Managing Routers and Switches- Basic Router and Switch Commands- Virtual LANs (VLANs) - VLAN Configuration and Management - Network Address Translation (NAT) Configuring NAT - Dynamic Host Configuration Protocol (DHCP) - DHCP Server Configuration - Domain Name System (DNS) - DNS Server Configuration - Wireless Networking Basics - Wi-Fi Standards and Configuration - Virtual Private Networks (VPNs) - VPN Configuration and Management - Quality of Service (QoS) - Implementing QoS in Networks.

Completing a Certificate Course on Computer Networks can provide participants with a solid foundation in networking principles, practical skills, and an understanding of advanced concepts. Here are the expected outcomes of such a course:

## **Outcomes:**

1. Understanding of Network Fundamentals - Gain a comprehensive understanding of the basic concepts of computer networks, including network types, topologies, and models (OSI and TCP/IP).
2. Proficiency in Network Protocols - Learn the functions and protocols associated with each layer of the OSI and TCP/IP models, including key protocols such as IP, TCP, UDP, ARP, HTTP, and DNS.
3. IP Addressing and Subnetting - Acquire the ability to understand and implement IP addressing schemes, including IPv4 and IPv6, and perform subnetting to design efficient network architectures.
4. Knowledge of Network Devices and Their Functions - Understand the roles and configurations of various network devices such as routers, switches, hubs, and network interface cards (NICs).

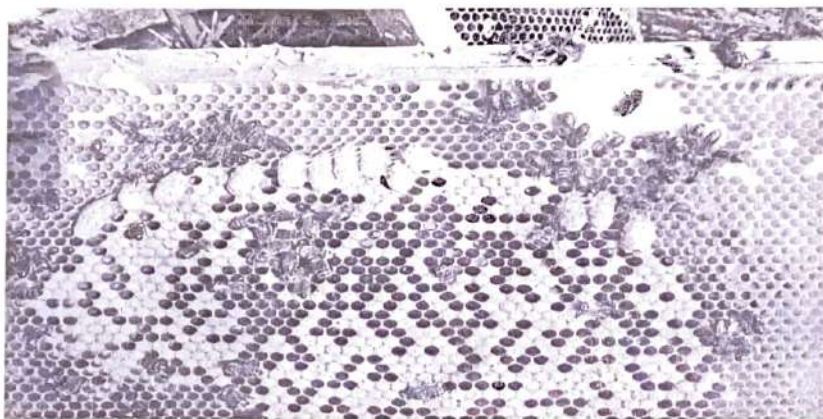


# **GOVERNMENT DEGREE COLLEGE**

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

*(Accredited with C by NAAC)*

Proposal for  
**Certificate Course in Apiculture**



**Department of Zoology**

**2021-22**

**Certificate Course in Apiculture**  
Department of Zoology  
Govt.Degree College,Rayachoty,Kadapa,(Dist)A.P.  
2021-22

**Proceedings of the Principal**

Principal is pleased to appoint Dr.M.Muniya Naik, Lecturer in Zoology as a coordinator and instructor for Apiculture certificate course

It is hereby informed that as per the BOS meeting held in 06-11-2021 I am directed to the Course coordinator give the notification for admission of students and other denizens of Rayachoty in Apiculture certificate course.



  
Principal

Govt.Degree College,Rayachoty,Kadapa,(Dist)A.P.  
**PRINCIPAL**  
**GOVT. DEGREE COLLEGE**  
**RAYACHOTY**

## CIRCULAR



Rayachoty

01-11-2021

This is to inform that the Department of Zoology is going to conduct a Certificate course in *Apiculture*. As this process in this course may be useful for students will get more knowledge about mulberry cultivation, silkworm rearing & self-employment and income generation. This course may be useful for students will get more knowledge about. In this regard enroll their names in the Department of Zoology on or before 24-11-2021.

*Department of Zoology*

### Course Details

**Course Name:** Certificate course in Apiculture

**Duration:** 30 Days

**Group:** B.Sc - BZC

*A. G. B.*  
01.11.21  
LECTURER IN ZOOLOGY,  
Govt. Degree College  
RAYACHOTY - 516 269.

*f. f. f.*  
PRINCIPAL  
GOVT. DEGREE COLLEGE  
RAYACHOTY

*H. S. Y.*  
BZC

*B. S. D.*  
BZC

*H. S. Y.*  
BZC

*H. S. Y.*  
BZC

*S. S. S.*  
BZC

*C. P. V.*

*S. S. S.*  
BZC



**Certificate Course in Apiculture**  
Department of Zoology  
Govt. Degree College, Rayachoty, Kadapa, (Dist) A.P.

**PROPOSAL, 2021-22**

**1. Title of the Course:** Certificate Course in Apiculture

**2. Pre-requisites:** Intermediate or Graduate

**3. Need of the Course:**

- ❖ Kadapa district is a semi arid area. This type of area has many positives to adopt the horticulture.
- ❖ Honey bees collecting the sap from flowering plants. And also transfer the pollen from one plant to another. This is very helpful to these plants
- ❖ When the deftly skills in this culture nurture by the students this may leads to a livelihood and becomes a lucrative course.
- ❖ Pure honey has demand in the market. Honey is using in preparing medicines, rituals and also a healthy food.

**4. Target Group:**

- ❖ UG Students of Govt. Degree College
- ❖ UG Students of different colleges in and around Rayachoty.

**5. Aim of the Course:**

This certificate course is designed as a lucrative course and augmenting the livelihood capacity of the students.

**6. Course Objectives:**

- ❖ To obtain knowledge identify the good species in honeybees.
- ❖ Skill of extracting mechanism and using of the instruments.
- ❖ To know about different types of water treatment plants.
- ❖ To understand sampling protocols for various chemicals and materials.

**7. Expected Learning Outcomes:**

- ❖ Upon successful completion of this course, the student should be able to:
- ❖ To understand the basic life cycle of the honeybees, beekeeping tools and equipment's
- ❖ To learn for managing beehives, bee enemies for honey production and pollination.
- ❖ Describe the importance, biology and management of bees.
- ❖ Demonstrate bee keeping management skills
- ❖ Apply the knowledge on bee biology and management to the development of the bee industry in agriculture field.

## 8. Course Design:



Eligibility : Intermediate/Graduate  
Course Duration : 30 hours  
Resource Person : Faculty member in the Dept. of Zoology.

## 9. Course Content:

### Chapter -1

#### **Introduction/Basics of Apiculture ( 12 hours)**

- 1.1.1. Definition, Scope of Apiculture, Honey Bee Classification, Bee Colony
- 1.1.2 .Present status of Apiculture in India
- 1.1.3. Types of Honey Bees, Bee Colony ,Mouth parts, Fore legs, Mid Legs, Hind Legs, Wings, Sting

### Chapter-2

#### **Artificial hive structure ( 10 hours)**

- 2.1.1. Bee Keeping, Honey bee nests, Ancient hives, Traditional hives
- 2.1.2 . Primitive Hives, Modern Hives
- 2.1.3. Producing high yielding varieties of Hone Bees

### Chapter-3

#### **Essential Equipment's & Honey Bees Management. ( 8 hours)**

- 3.1.1. Bee-Keeping Equipments, Honey Extractor, Comb, Smoker, Hive types.
- 3.1.2. Honey Bees Management.

### Chapter-4

#### **Honey Bees-Insecticide poisoning**

- 4.1.1. Insecticide effected Honey Bee's Characters.
- 4.1.2. Precautions to reduce the Insecticide effect on Honey Bees.
- 4.1.3. Caring of Insecticide effected Colonies.

### Chapter-5

#### **Diseases to Honey bees & Marketing strategies (10hours)**

- 5.1.1 .Pests and Parasites, Bacterial diseases ,Fungal diseases, Viral diseases and its treatment , Preventive measures.



# 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

## Digital Awareness

GROUP: III MPCS, II MPCS, I MPCS

Academic Year 2020-2021



Topic: **Digital Awareness (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

**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 "Digital Awareness "

Respected Madam,

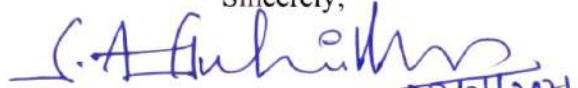
I am writing to seek your approval to conduct a Certificate Course on " **Digital Awareness** " at Government Degree College, Rayachoti, from **01-02-2021, to 08-03-2021**. This course aims to provide an in-depth understanding of the provide and generate a good sound digital awareness, offering an invaluable learning opportunity for students and faculty members interested in the field of Digital Transactions.

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 **01-02-2021**. 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.

9  
22/01/2021

Sincerely,

  
Government Degree College, Rayachoti



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



Date: 22-01-2021

**CIRCULAR**

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

**Subject: Certificate Course on "Digital Awareness"**

**Dear Sir/Madams,**

We are pleased to announce a certificate course on Digital Awareness to be conducted at Government Degree college Rayachoty. This course aims to provide and generate a good sound digital awareness to the students, for safe and effective use of existing digital technologies.

**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.

*piq  
22/01/2021*

*M  
Shaiq  
CP*

*22/1/2021*

*Shaiq*

*Shaiq*

## A Certificate Course in "Digital Awareness"

### SYLLABUS

- Introduction cyber space, internet
- Need of Digitalization
- Good things we can do on internet
- Thing not to be done on internet
- Netiquette
- Thing to be aware of while using internet
- How to identify cyber frauds
- How to protect you device from cyber threats
- How to create Email account
- Using mail groups for group communication
- Sending attachments, searching for data in mails, creating drafts
- How to digitalize existing hard copies, for effective store and forward
- Creating account in Facebook
- Communicating in Facebook
- Dos and Don'ts while using Facebook

### COURSE OUT COME

Students will learn to make digital copies of the information, effective store, retrieve and forward techniques, use mails, creating group mails, sending and receiving group messages, creating account in Facebook and use it safely. They will also learn Netiquette



**GOVERNMENT COLLEGE, RAYACHOTY**

Affiliated to Yogi Vemana University

Rayachoty - 516269



(Accredited with "C" by NAAC)

---

**Certificate course**

**Department of Commerce**

**2020 - 21**



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



**Department of Commerce**

From  
U. Prasad  
Head of Department of Commerce  
Government Degree College  
Rayachoti

To  
Dr. P. Krishnaiah  
Principal  
Government Degree College  
Rayachoti

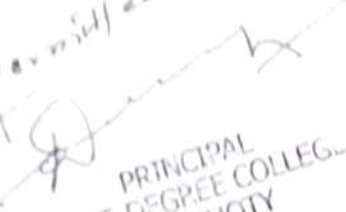
**Subject:** Request to Conduct Certificate Course on "Business Environment"

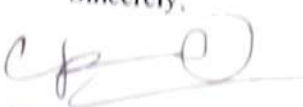
Respected Madam,

I am writing to seek your approval to conduct a Certificate Course on "Business Environment" at Government Degree College, Rayachoti, from January 2, 2021, to February 11, 2021. This course aims to provide an in-depth understanding of the Business Environment possession, offering an invaluable learning opportunity for students and faculty members interested in the field of Characteristics of Business Environment.

The course will be coordinated by Mr. U. Prasad and S. Sreenivasulu, both Lecturers in Commerce. 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 January 1, 2021. 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.

*U. Prasad*  
  
PRINCIPAL  
GOVT. DEGREE COLLEGE  
RAYACHOTY

Sincerely,  
  
HOD of Commerce  
Government Degree College, Rayachoti



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



## Department of Commerce

Date: 01.01.2021

### CIRCULAR

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

**Subject:** Certificate Course on Business Environment.

**Dear Sir/Madams,**

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

### Course Details

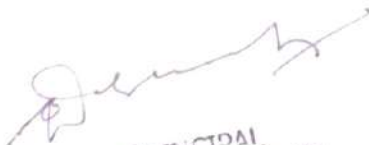
Course Duration: 02-01-2021 to 11-02-2021 (30 Hours)

Venue: Government Degree College Rayachoty

Course Co-Ordinator: U. PRASAD

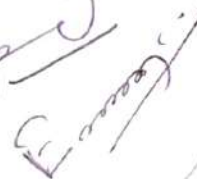
Registration Fee: Free

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

  
PRINCIPAL  
GOVT. DEGREE COLLEGE  
RAYACHOTY











## Certificate course on

## **Business Environment**

Organised by

**Department of Commerce**

### **Certificate course on Business Environment**

From 02 – 01 – 2021 to 11- 02 - @21

Duration of the course: 30 hours

Faculty information

U. PRASAD. M. Com, AP.SET.

S. Sreenivasulu. M. Com.

Instructions to the students.

- 80% course attendance compulsory to get the certificate
- Students who will get 40% marks in the examination and they will eligible to get cert

## Syllabus

**UNIT – I: Theoretical Framework of Business Environment:** Concept, Significance and nature of business environment; Elements of environment -internal and external, Changing dimensions of business environment. Liberalization, Privatization and Globalization.

**UNIT – II: Socio, Cultural & International Environment:** Social responsibility of business, Characteristics, Components, Scope, relationship between society and business, Socio-cultural business Environment, Social Groups, World Trade Organization (WTO), International Monetary Fund (IMF), Foreign Investment in India

**UNIT – III: Political and Legal Environment of Business:** Monopoly and Restrictive Trade Practices (MRTP) Act, Foreign Exchange Management Act (FEMA), Consumer Protection Act, Patent Laws.

## Outcomes:

1. **Enhanced Strategic Decision-Making:** Equipped with a comprehensive understanding of the business environment, organizations can make informed decisions that align with external realities and capitalize on opportunities while mitigating risks.
2. **Adaptability and Resilience:** Organizations can better anticipate and respond to changes in the business environment, including economic fluctuations, regulatory shifts, and socio-cultural trends.
3. **Ethical and Social Responsibility:** Awareness of social responsibilities encourages businesses to adopt sustainable practices, contribute positively to society, and maintain ethical standards in their operations.
4. **Global Competitiveness:** Understanding globalization and international trade dynamics enables businesses to expand globally, access new markets, and leverage international opportunities.
5. **Legal Compliance and Risk Management:** Knowledge of legal frameworks helps businesses comply with regulations, manage legal risks, and safeguard their operations from potential legal challenges.

# **GOVERNMENT DEGREE COLLEGE**

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

*(Accredited with C Grade by NAAC)*



**CERTIFICATE COURSE  
ON  
SOIL SCIENCES**

**DEPARTMENT OF BOTANY**

**2020-2021**

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



# GOVERNMENT DEGREE COLLEGE.

RAYACHOTY, YSR KADAPA (DISTRICT), A.P. 51

(Accredited with C grade by NAAC)



## Department of Botany

From

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

To

Dr.G.Krishnaiah  
Principal  
Govt. Degree college,  
Rayachoty

**Subject:** Request to Conduct Certificate Course on " SOIL SCIENCES."

Respected Madam,

I am writing to seek your approval to conduct a Certificate Course on " SOIL SCIENCES." at Government Degree College, Rayachoti, from 11.11.2020 to 31.12.2020. This course aims to provide an in-depth understanding of the, SOIL SCIENCES.

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 10.11.2020. 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,

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: 10.11.2020

### CIRCULAR

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

**Subject:** Certificate Course on SOIL SCIENCE.

**Dear Sir/Madams,**

We are pleased to announce a certificate course on SOIL SCIENCE. 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: 11.11.2020 to 30.12.2020 (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.

*Mp* *SH* *D. Lakshmi Y.* *M.*

**GOVERNMENT DEGREE COLLEGE, RAYACHOTY**

**DEPARTMENT OF BOTANY**

**CERTIFICATE COURSE**

**ON**

**SOIL SCIENCES**

**SYLLABUS**

**UNIT I-** Factors of soil formation, soil forming processes, weathering of rocks and mineral transformations; soil profile; weathering sequences of minerals with special reference to Indian soils. Concept of soil individual; soil classification systems – historical developments and modern systems of soil classification with special emphasis on soil taxonomy; soil classification, soil mineralogy and soil maps – usefulness.

**UNIT II-** Soil survey and its types; soil survey techniques - conventional and modern; soil series – characterization and procedure for establishing soil series; benchmark soils and soil correlations; soil survey interpretations; soil mapping, thematic soil maps, cartography, mapping units, techniques for generation of soil maps.

**UNIT III -**Landform – soil relationship; major soil groups of India with special reference to respective states; land capability classification and land irrigability classification; land evaluation and land use type (LUT) – concept and application; approaches for managing soils and landscapes in the framework of agro-ecosystem

**GOVERNMENT DEGREE COLLEGE**

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

*(Accredited with C Grade by NAAC)*

**CERTIFICATE COURSE IN SOIL SCIENCES**

**OUTCOMES**

1. Develop effective programs for students that allow them to become well educated and highly skilled individuals with the potential to be national and international leaders;
2. Conduct scientific research on globally relevant problems in crop and soil sciences and contribute this knowledge to their discipline;
3. Enhance the visibility and impact of graduate programs in crop and soil sciences;
4. Place students in lead academic, research, and industry positions.
5. Knowledge of field. Understands the breadth and depth of knowledge associated with their discipline;
6. Scientific reasoning. Designs, conducts, analyzes, and interprets research effectively on important problems in their discipline;
7. Communication. Communicates effectively to a diverse group of people using appropriate traditional and emerging technological media;
8. Original contribution. Makes an original contribution to their discipline.



# GOVERNMENT DEGREE COLLEGE, RAYACHOTY

(Affiliated to Yogi Vemana University)

Chittor Road, Rayachoty, Kadapa (Dist.)

ACCREDITED BY NAAC WITH "C" GRADE



## DEPARTMENT OF URDU

Add-on Course

**“Diploma in Urdu Computer Calligraphy and DTP”**

**GROUP BA HUP URDU MEDIUM STUDENTS**

**Academic Year 2020-2021**

**Topic: “Diploma in Urdu Computer Calligraphy and DTP”**

**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                        | To                        |
| Dr.Syed Vasiulla Bakhtiyari | The Principal             |
| Head of Department of Urdu  | Government Degree College |
| Government Degree College   | Rayachoti                 |
| Rayachoti                   |                           |

Subject: Request to Conduct Add on Course on "Diploma in Urdu Computer Calligraphy &DTP "

Respected Madam,

I am writing to seek your approval to conduct a Add on Course on " Diploma in Urdu Computer Calligraphy & DTP " at Government Degree College, Rayachoti, from 26-11-2020, to 02-01-2021 This course aims to provide the students about Urdu typing and all related computer works in Urdu.

The course will be coordinated by Mr. Dr.S.Farooq Basha and Dr Syed Vasiullah 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 10-11-2020. 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



### CIRCULAR

18-10-2020

TO,

All students and faculty members,  
Govt Degree college Rayachoty

Subject: Certificate course on "Diploma in Urdu Computer, Calligraphy and DTP"

Dear sir, /Madams

We are pleased to announce a certificate course on "Diploma in Urdu, Computer , Calligraphy and DTP" to be conducted at Govt Degree College, Rayachoty. This course aims to provide about Urdu calligraphy and Urdu typing skills and Different writing skills so interested students and faculty member are inform to register their Names in the Department of urdu.

#### Course Details:

Course Title: "Diploma in Urdu, Computer , Calligraphy and DTP"

Duration: 26-11-2020 to 02-01-2021 (30 Hours)


Venue: Government Degree College, Rayachoti

Course Coordinators: Dr.S.Farooq Basha & Dr Syed Vasiullah Buktiyari

Registration fee : Free

Registration Deadline: 25-11-2020

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

  
Md. Ismail  
A. B. B.

### **COURSE DESIGN:**

Introduction of Urdu Language, Nastaleeq, Computerization of Urdu Script,  
Urdu *SAFHA SAAZ*,  
URDU INPAGE – SOFTWARE AND APPLICATIONS  
URDU IN MS WORD – SOFTWARE, INSTALATION AND APPLICATION  
URDU UNICODE – Conversion Tools, online conversion  
URDU CALLIGRAPHY –Calligraphy Applications of Inpage  
URDU – THE LANGUAGE OF WEB: Urdu Email, Urdu Wikipedia, Urdu Google, Urdu  
Face Book, Urdu Twitter, Urdu Search, & Urdu Calligraphy.

### **COURSE MATERIAL:**

URDU COMPUTER – Designed by: Dr. Shaik Farooq Basha  
URDU INPAGE – Published by: NCPUL, M/HRD, New Delhi.  
URDU VIDEO LESSONS – from online sources

The Course Material, Software, Urdu Notes and Video Lessons will be provided to the Students of the Diploma Course.

### **ELIGIBILITY:**

The Student of Government College, Rayachoty are eligible in this Diploma Course. They should have sufficient knowledge of Computers and Fundamental knowledge for usage of Computers. The students without basic knowledge of Computers are not eligible for this Diploma Course. Knowledge of Urdu Language is mandatory for admission in this Diploma Course.

Students with Urdu Language and Basics of Computers are only eligible for this Diploma Course.

### **INTAKE OF STUDENTS:**

The In-Take in this Diploma Course is 10 Students per batch. Because of Theory and Practical Classes are compulsory, hence only ten (10) students are admitted at a batch.

## OUTCOME OF URDU CERTIFICATE COURSE

- After completing this course, students will have basic computer knowledge
- Students will get information about Urdu DTP
- Through this course students will connect with employment
- Students will get information about Urdu calligraphy
- Students will connect with employment through Urdu calligraphy.



# GOVERNMENT COLLEGE, RAYACHOTY

ACCREDITED BY NAAC WITH 'C' GRADE

Affiliated to Yogi Vemana University, Kadapa-516005

Rayachoty - 516269



## DEPARTMENT OF ECONOMICS

CERTIFICATE - COURSE(2020-21)

# **ECONOMICS OF GLOBALIZATION**

To,  
The Principal,  
Government Degree College Rayachoty,

Date 30.01.2021

Respected Madam,

**Subject: Request for Certificate Course on Economics globalisations**

I believe that such a course would greatly enhance our knowledge and prepare us for global opportunities.

I kindly request your support in organizing this course. If feasible, could you please consider arranging sessions on topics like import-export procedures, trade regulations, and cross-cultural business practices? I am confident that this initiative would benefit all students and contribute to our holistic education.

Thank you for your attention to this matter. I look forward to your positive response.



**PRINCIPAL**  
**Govt. Degree College**  
**Rayachoty.**

Sincerely,

*B. Annaiah*  
**B. Annaiah**



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



## Department of ECONOMICS

Date: 29.01.2021

### CIRCULAR

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

**Subject:** Certificate Course on ECONOMICS OF GLOBALIZATION.

**Dear Sir/Madams,**

We are pleased to announce a certificate course on ECONOMICS OF GLOBALIZATION to be conducted at Government Degree college Rayachoty. This course aims to provide the best preparation of Economics of Globalization for the students and faculty members.

### Course Details

Course Duration: 01-02-2021 to 08-03-2021 (30 Hours)

Venue: Government Degree College Rayachoty

Course Co-Ordinator: B.ANNAIAH

Registration Fee: Free

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

*Handwritten signatures:*  
ARB  
CP  
P. Nannulu.

# Economics of Globalization

## Module 1: Introduction to Globalization

- Definition and historical context
- Key drivers of globalization
- Measuring globalization: indicators and indices

## Module 2: Theoretical Foundations

- Comparative advantage and trade theories
- Heckscher-Ohlin model
- New trade theories: economies of scale and monopolistic competition

## Module 3: Economics globalisation

- Trade policies and their economic impacts
- Tariffs, quotas, and trade barriers
- Regional trade agreements and economic integration
- Case studies: NAFTA, EU, ASEAN

## PROGRAM OUTCOMES

1. Understanding Global Economic Systems: Gain a comprehensive understanding of how globalization impacts economic systems globally, including trade, finance, and production.
2. Analytical Skills: Develop analytical skills to assess the impact of globalization on various stakeholders, economies, and sectors.
3. Policy Implications: Explore the policy implications of globalization on national economies, international relations, and development strategies.
4. Cross-Cultural Competence: Develop cross-cultural competence and an understanding of diverse economic perspectives and practices worldwide.
5. Critical Thinking: Enhance critical thinking abilities to evaluate the opportunities and challenges presented by globalization, including issues such as income inequality, labor markets, and environmental sustainability.
6. Research and Communication: Build research skills to gather and analyze economic data related to globalization and effectively communicate findings through reports, presentations, and discussions.
7. Ethical Considerations: Understand the ethical implications of economic globalization, including issues related to social justice, human rights, and sustainable development.



# GOVERNMENT DEGREE COLLEGE, RAYACHOTY

(Affiliated to Yogi Vemana University)

Chittor Road, Rayachoti, Kadapa (Dist.)

ACCREDITED BY NAAC WITH "C" GRADE



## DEPARTMENT OF HISTORY

A CERTIFICATE COURSE ON

**"Arab-Islamic History from Tribes to Empire"**

GROUP BA HUP URDU MEDIUM STUDENTS

Academic Year 2020-2021



**Topic "Arab-Islamic History from Tribes to Empire" (30 HOURS)**

**GROUP: BA HUP**

**Certificate Course Convener:**

**MD ISMAIL**

**Lecturer in History**

**Government Degree College, Rayachoti**

**PIN: 516269**



# GOVERNMENT DEGREE COLLEGE,

RAYACHOTY, KADAPA DISTRICT, A.P.516269

(Accredited with C grade by NAAC)



## Department of History

From  
MD ISMAIL  
Head of Department of History  
Government Degree College  
RAYACHOTI.

To  
The  
Principal  
Government Degree College  
RAYACHOTI.

**Subject:** Request to Conduct Add on Course on "**Arab-Islamic History from Tribes to Empires**"

Respected Madam,

I am writing to seek your approval to conduct a Add on Course on "**Arab-Islamic History From Tribes to Empires**" at Government Degree College, Rayachoti, from 02-02-2021 To 09-03-2021 This course aims to provide the students about Arabic Islamic History From Tribes to Empires.

The course will be coordinated by MD ISMAIL Lecturers in History. 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 30-01-2021. 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,

*MD. ISMAIL*  
Government Degree College,  
Rayachoti



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



**Department of History**

Date: 27.01.2021

**CIRCULAR**

To,

All students and faculty Members,

Government Degree College Rayachoti.

**Subject:** Certificate Course "Arab-Islamic History from Tribes to Empires"

Dear Sir/Madams,

We are pleased to announce a certificate course on "Arab-Islamic History from Tribes to Empire" to be conducted at Government Degree college Rayachoti. This course aims to provide the best Issues of "Arab-Islamic History from Tribes to Empires" for the students and faculty members.

**Course Details**

Course Duration: 02-02-2021 To 09-03-2021 (30 Hours)

Venue: Government Degree College Rayachoti

Course Co-Ordinator: MD ISMAIL

Registrations Deadlines: 30-01-2021

Registration Fee: Free

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

MD. Ismail  
A. K. S. S.

B  
A



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



## **Department of History**

---

### **Department of History**

#### **Syllabus:**

A course titled "Arab-Islamic History from Tribes to Empires" typically explores the history and development of the Arab-Islamic world from its early beginnings to the formation of Islamic empires. Here's a general outline of what such a syllabus might include:

#### **1. Introduction to Arab-Islamic History**

- Geographical and cultural context
- Key terms and concepts (Arabian Peninsula, Islam, Arab tribes)

#### **2. Pre-Islamic Arabia**

- Pre-Islamic Arabian society and culture
- The Jahiliyyah period (Age of Ignorance)
- Bedouin tribes and their social structure

#### **3. The Life of Muhammad and the Rise of Islam**

- Biography of Prophet Muhammad
- Revelation and the early Muslim community
- Hijra (migration) to Medina and establishment of the Islamic community

#### 4. Early Islamic Caliphates

- Rashidun Caliphate (632-661 CE)
- Umayyad Caliphate (661-750 CE)
- Expansion of Islam: conquests and administration

#### 5. Islamic Civilization and Culture

- Spread of Islam and its impact on societies
- Islamic law (Sharia) and governance
- Intellectual and scientific advancements (Golden Age of Islam)

#### 6. The Abbasid Caliphate

- Rise of the Abbasid dynasty (750 CE)
- Baghdad as a centre of learning and culture
- Decline and fragmentation of the Abbasid Caliphate

#### 7. Islamic Empires and Dynasties

- Umayyads in Spain (Al-Andalus)
- Fatimid Caliphate in Egypt
- Seljuk Empire and the Crusades



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



## **Department of History**

## **Department of History**

### **Course outcomes:**

Creating course outcomes for "Arab-Islamic History from Tribes to Empires" involves defining the knowledge, skills, and understanding that students should gain by the end of the course. Here are some possible course outcomes:

1. Knowledge Acquisition:
  - Students will demonstrate a comprehensive understanding of the major events, figures, and developments in Arab-Islamic history from the pre-Islamic era through the establishment of Islamic empires.
2. Historical Analysis:
  - Students will analyse primary and secondary sources to critically evaluate the political, social, and cultural transformations in early Islamic societies.
3. Cultural and Intellectual Awareness:
  - Students will recognize and assess the contributions of Arab-Islamic civilization to world culture, including art, architecture, science, and philosophy.
4. Comparative Perspective:
  - Students will compare and contrast the governance structures, societal norms, and religious practices of different Islamic caliphates, such as the Umayyad and Abbasid dynasties.
5. Critical Thinking and Interpretation:
  - Students will interpret historical events and their significance within broader historical contexts, considering different perspectives and interpretations.

6. Research Skills:

- Students will demonstrate proficiency in conducting research on topics related to Arab-Islamic history, using scholarly sources and integrating diverse viewpoints into their analyses.

7. Communication Skills:

- Students will effectively communicate their knowledge and analyses of Arab-Islamic history through written essays, presentations, and discussions.

8. Ethical Awareness:

- Students will recognize and discuss ethical issues related to historical interpretations and representations of Arab-Islamic history, including bias, stereotypes, and cultural sensitivity.

9. Application of Knowledge:

- Students will apply their understanding of Arab-Islamic history to analyze contemporary issues and developments in the Middle East and beyond, demonstrating relevance and continuity.

10. Synthesis of Learning:

- Students will synthesize diverse perspectives and information to construct coherent arguments and interpretations regarding the impact of Arab-Islamic history on global civilization.



# 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

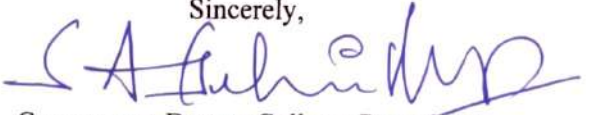
**Subject:** Request to Conduct Certificate Course on " **Basic Concepts of Internet and Networking** " Respected Madam,

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



# 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).
- **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.



**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,

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*  
*Author*

**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**

(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)

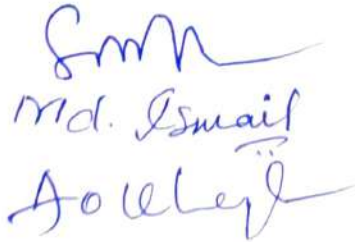
Venue: Government Degree College Rayachoty

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  
Aouley

# 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<br>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<br>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<br>Ilm e Bayan (Discourse) : Introduction, Importance and Necessity, Branches of Discourse: Tash'beeh, Iste'aara, Majaz Mursal, Kanaya (Simile, Metaphor, Synecdoche, Metonymy.) |
| Unit IV  | صنایع لفظی: تعارف اہمیت اور ضرورت: تجنیس، تکریر<br>Sana'e Lafzi (Rhetorics) : Introduction, Importance and Necessity, Selected topics: Tajnees, Takreer, Talmee, Fouqun Nuqath/Tahtun Nuqath/Riqtha/Ghair Manqooth.                          |
| Unit V   | صنایع معنوی: تعارف، اہمیت اور ضرورت: ایہام حشو، لف و نشر<br>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**

(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.

  
**PRINCIPAL**  
Govt. Degree College  
Rayachoty.

Sincerely,

  
Department of Political science

Government Degree College,

Rayachoti.



**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*  
*E-governance*

*Insh*

*Sup*

*Solely*

*M*

*BAMM*  
**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**

# **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**  
**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.



# GOVERNMENT DEGREE COLLEGE, RAYACHOTY

(Affiliated to Yogi Vemana University)

Chittor Road, RAYACHOTY, YSR KADAPA Dist



DEPARTMENT OF COMPUTER SCIENCE

A CERTIFICATE COURSE ON

## PC-Hardware & Maintenance

GROUP: III MPCs, II MPCs, I MPCs , III BA HEP, II BA HEP

Academic Year 2018-2019



Topic: **PC-Hardware & Maintenance (30 HOURS)**

GROUP: III MPCs, II MPCs, I MPCs , III BA HEP, II BA HEP

Certificate Course Convener :  
M. RAMA MOHAN REDDY  
Lecturer in Computer Science  
Government Degree College, Rayachoty  
PIN : 516269



**GOVERNMENT DEGREE COLLEGE,**  
RAYACHOTY, YSR KADAPA DISTRICT, A.P.516269

**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 " **PC-Hardware & Maintenance** "

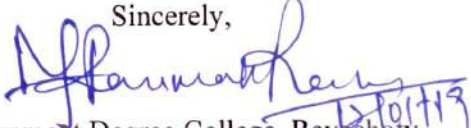
Respected Madam,

I am writing to seek your approval to conduct a Certificate Course on " **PC-Hardware & Maintenance** " at Government Degree College, Rayachoti, from **22-01-2019**, to **28-02-2019**. This course aims to provide an in-depth understanding of the **PC-Hardware & Maintenance**, offering an invaluable learning opportunity for students and faculty members interested in the field of Computers.

The course will be coordinated by Mr. M. Rama Mohan Reddy 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 **22-01-2019**. 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,

  
Government Degree College, Rayachoty

  
12/01/2019



**GOVERNMENT DEGREE COLLEGE,**  
RAYACHOTY, YSR KADAPA DISTRICT, A.P.516269



**Department of Computer science**

**Date: 12-01-2019**

**CIRCULAR**

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

**Subject: Certificate Course on PC-Hardware & Maintenance**

**Dear Sir/Madams,**

We are pleased to announce a certificate course on **PC-Hardware & Maintenance** to be conducted at Government Degree college Rayachoty. This course aims to provide the best issues of Computer Maintenance for the students and faculty members.

**Course Details**

Course Duration: (30 Hours)

Venue: Government Degree College Rayachoty

Course Co-Ordinator: M. Rama Mohan Reddy

Registration Fee: Free

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

*[Handwritten signature]*  
12/01/2019

*[Handwritten signature]*  
12/01/2019

*[Handwritten signature]*

*[Handwritten signature]*

*[Handwritten signature]*

*[Handwritten signature]*

*[Handwritten signature]*

## Syllabus: PC Hardware and Maintenance

### #### Module 1: Introduction to PC Hardware (4 Hours)

- **Overview of Personal Computers**
- History and Evolution of PCs
- Types of Personal Computers: Desktops, Laptops, Tablets
- **Basic Components of a PC**
- Central Processing Unit (CPU), Motherboard, RAM, and Storage Devices
- Input and Output Devices: Keyboards, Mice, Monitors, Printers
- **Understanding Computer Architecture**
- CPU Architecture and Functionality
- Role of the Motherboard and BIOS/UEFI

### #### Module 2: PC Hardware Components (6 Hours)

- **Processor (CPU)**
- Types of Processors (Intel, AMD)
- CPU Specifications and Performance Factors
- **Motherboard**
- Types of Motherboards and Form Factors
- Chipsets, Expansion Slots, and Ports
- **Memory (RAM)**
- Types of RAM (DDR3, DDR4)
- RAM Installation and Configuration
- **Storage Devices**
- Hard Disk Drives (HDDs) vs. Solid State Drives (SSDs)
- Storage Capacity and Performance Considerations

- **Power Supply Unit (PSU)**

- Understanding Power Requirements
- PSU Ratings and Installation

#### Module 3: PC Hardware Installation and Configuration (6 Hours)

- **Building a PC**

- Step-by-Step Assembly Process
- Installing CPU, RAM, Motherboard, and Storage Devices

- **BIOS/UEFI Settings**

- Accessing BIOS/UEFI Interface
- BIOS/UEFI Configuration and Settings

- **Device Drivers Installation**

- Installing Drivers for Hardware Components
- Troubleshooting Driver Issues

#### Module 4: PC Maintenance and Troubleshooting (8 Hours)

- **Preventive Maintenance**

- Cleaning and Dust Management
- Temperature Monitoring and Cooling Solutions

- **Troubleshooting Common Hardware Issues**

- Diagnosing Boot Problems
- Resolving Hardware Failure and Component Issues

- **Upgrading PC Components**

- RAM, Storage, and CPU Upgrades
- Compatibility Considerations and Upgrade Procedures

#### #### Module 5: Software and Security (4 Hours)

- **Operating Systems**
  - Introduction to Operating Systems (Windows, macOS, Linux)
  - Installation and Configuration Basics
- **Basic Security Practices**
  - Antivirus Software Installation and Maintenance
  - Data Backup and Recovery Strategies

#### #### Module 6: Practical Sessions and Hands-on Lab (2 Hours)

- **Hands-on Exercises**
  - PC Assembly and Disassembly Practice
  - Troubleshooting Simulated Hardware Issues

This syllabus provides a structured approach to learning PC Hardware and Maintenance, covering fundamental concepts, practical skills, troubleshooting techniques, and preventive maintenance practices essential for PC technicians and enthusiasts.

**The outcome of a course or training on PC Hardware and Maintenance can be summarized in terms of the knowledge, skills, and competencies gained by the participants. Here are the key outcomes:**

### ### Knowledge Outcomes

1. **Understanding of Components**:

- Comprehend the roles and functions of various computer hardware components such as the CPU, RAM, motherboard, storage devices (HDD, SSD), power supply units, and peripherals.

2. **System Architecture**:

- Understand the basic architecture of a PC and how components interact with each other.

3. **BIOS and Firmware**:

- Knowledge of BIOS/UEFI firmware, its role in system initialization, and basic settings/configuration.

4. **Storage Technologies**:

- Understand different types of storage devices, including HDDs, SSDs, and their interfaces like SATA and NVMe.

5. **Cooling Mechanisms**:

- Knowledge of cooling solutions including heat sinks, fans, and thermal paste, and their importance in maintaining system performance and longevity.

### ### Skills Outcomes

1. **Assembly and Disassembly**:

- Skills in assembling and disassembling a PC, including proper handling and installation of components.

2. **Troubleshooting**:

- Ability to diagnose and resolve common hardware problems such as boot failures, overheating, and connectivity issues.

3. **Maintenance**:

- Skills in routine maintenance tasks such as cleaning internal components, upgrading hardware, and ensuring proper cable management.

4. **BIOS Configuration**:

- Ability to configure and update BIOS/UEFI settings to optimize system performance and compatibility.

5. **Data Management**:

- Skills in managing storage devices, including partitioning, formatting, and data recovery.

**Competencies**

1. **Problem-Solving**:

- Develop problem-solving abilities to address hardware and software issues systematically and efficiently.

2. **Attention to Detail**:

- Cultivate attention to detail necessary for delicate tasks such as installing processors, applying thermal paste, and connecting small components.

3. **Technical Communication**:

- Improve ability to communicate technical issues and solutions clearly, both in writing and verbally.

4. **Safety and Best Practices**:

- Adherence to safety standards and best practices in handling hardware to prevent damage and ensure personal safety.

5. **Customer Service**:

- Develop customer service skills for those intending to work in IT support, including how to interact with clients, understand their issues, and provide effective solutions.

**Practical Applications**

1. **Real-World Scenarios**:

- Apply knowledge and skills in real-world scenarios, such as setting up home offices, upgrading existing systems, and maintaining corporate IT infrastructure.

2. **Certifications**:

- Prepare for relevant certifications like CompTIA A+, which validates the foundational skills in PC hardware and maintenance.

3. **Employment Readiness**:

- Equip participants with the skills needed for various IT roles such as desktop support technician, hardware engineer, and IT support specialist.

4. **Personal Projects**:

- Empower individuals to undertake personal projects such as building custom PCs, performing hardware upgrades, and maintaining personal devices.



# **GOVERNMENT DEGREE COLLEGE, RAYACHOTY**

(Affiliated to Yogi Vemana University)

Chittor Road, Rayachoti, Kadapa (Dist.)

ACCREDITED BY NAAC WITH "C" GRADE



---

**DEPARTMENT OF POLITICAL SCIENCE UM**

**A CERTIFICATE COURSE ON**

**"Global Diplomacy-Diplomacy in Modern World"**

**GROUP BA HUP URDU MEDIUM STUDENTS**

**Academic Year 2018-2019**

**Topic: "Global Diplomacy-Diplomacy in Modern World"(30 HOURS)**

**GROUP: BA HUP Urdu Medium**

**Certificate Course Convener:**

**A KHAJA VICE KHIRNI**

**Lecturer in Political Science**

**Government Degree College, Rayachoti**

**PIN : 516269**



# GOVERNMENT DEGREE COLLEGE,

RAYACHOTY, KADAPA DISTRICT, A.P.516269

(Accredited with C grade by NAAC)



## Department of Political Science

From  
A Khaja vice Khirni  
Head of Department of History  
Government Degree College  
Rayachoty.

To  
The  
Principal  
Government Degree College  
Rayachoty.

**Subject:** Request to Conduct Add on Course on '**Global Diplomacy-Diplomacy in the Modern State**'

Respected Madam,

I am writing to seek your approval to conduct a Certificate course on '**Global Diplomacy-Diplomacy in the Modern State**' at Government Degree College, Rayachoty, from 01-03-2019 To 06-04-2019 This course aims to provide the students about '**Global Diplomacy-Diplomacy in the Modern State**'.

The course will be coordinated by A KHAJA VICE KHIRNI 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 25-02-2019. 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,

Government Degree College, Rayachoti



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



**Department of Political Science**

Date: 22.02.2019

**CIRCULAR**

To,

All students and faculty Members,

Government Degree College Rayachoty.

**Subject:** Certificate Course "**Global Diplomacy-Diplomacy in the Modern World**"

**Dear Sir/Madams,**

We are pleased to announce a certificate course on "**Global Diplomacy-Diplomacy in the Modern World**" to be conducted at Government Degree college Rayachoty. This course aims to provide the best Issues of "**Global Diplomacy-Diplomacy in the Modern World**" for the students and faculty members.

**Course Details**

Course Duration: 01-03-2019 To 06-04-2019 (30 Hours)

Venue: Government Degree College Rayachoty

Course Co-ordinator: A KHAJA VICE KHIRNI

**Registrations Deadlines: 25-02-2019**

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.

Md. Ismail  
A. Khaja Vice Khirni



# GOVERNMENT DEGREE COLLEGE, RAYACHOTY

(Affiliated to Yogi Vemana University)

Chittor Road, Rayachoty, Annamiah Kadapa (Dist.)

ACCREDITED BY NAAC WITH "C" GRADE



---

## DEPARTMENT OF POLITICAL SCIENCE UM

### A Certificate Course

### “Global Diplomacy – Diplomacy in the Modern World”

#### Syllabus :

#### Unit 1: What is Diplomacy?

In this Unit we will question the nature of diplomacy and construct a definition.

#### Unit 2: Success and Failure in Diplomacy?

Welcome to the second week of Global Diplomacy: Diplomacy in the Modern World. This module will explore what constitutes Success and Failure in Diplomacy

#### Unit 3: The Qualities of a 'Good' Diplomat?

Welcome to the third week of Global Diplomacy: Diplomacy in the Modern World. This module will discuss qualities of a 'good' diplomat.

#### Unit 4: Diplomacy in Action.

Welcome to the fourth week of Global Diplomacy: Diplomacy in the Modern World. This module will explore where we see diplomacy in action.

#### Unit 5: Reflections on Diplomacy?

Welcome to the final week of Global Diplomacy: Diplomacy in the Modern World. In this module we reflect on what we have learn about diplomacy. This extra challenge exercise will add to your understanding.



## GOVERNMENT DEGREE COLLEGE, RAYACHOTY

(Affiliated to Yogi Vemana University)

Chittor Road, Rayachoty, Kadapa (Dist.)

ACCREDITED BY NAAC WITH "C" GRADE



---

### DEPARTMENT OF POLITICAL SCIENCE UM

#### A Certificate Course

#### “Global Diplomacy – Diplomacy in the Modern World”

#### Certificate Course Outcomes:

A course on Global Diplomacy typically aims to achieve several key outcomes, depending on its specific focus and objectives. Here are some common learning outcomes you might expect from such a course:

- ❖ **Understanding of Diplomatic History and Theory:** Students should gain a solid grasp of the historical development of diplomacy as well as the theoretical frameworks that underpin diplomatic practices.
- ❖ **Knowledge of International Relations:** A comprehensive understanding of the principles and dynamics of international relations, including state sovereignty, power balances, and global governance mechanisms.
- ❖ **Skills in Diplomatic Practice:** Practical skills in diplomatic negotiation, mediation, and conflict resolution. This often includes simulations or role-playing exercises to simulate real-world diplomatic scenarios.
- ❖ **Awareness of Contemporary Issues:** Familiarity with current global issues and challenges that require diplomatic solutions, such as climate change, human rights, security threats, and economic cooperation.

- ◇ **Analytical and Critical Thinking:** Ability to analyze complex diplomatic situations, evaluate different perspectives, and propose well-reasoned diplomatic strategies or policies.
- ◇ **Cross-Cultural Competence:** Understanding of cultural differences and their implications for diplomatic interactions, including communication styles, negotiation tactics, and protocol.
- ◇ **Ethical and Professional Conduct:** Appreciation for the ethical responsibilities of diplomats, including integrity, confidentiality, and adherence to international norms and laws.
- ◇ **Effective Communication Skills:** Proficiency in diplomatic writing, public speaking, and interpersonal communication, tailored to various audiences and diplomatic contexts.
- ◇ **Research and Policy Development:** Capability to conduct research on diplomatic issues, analyze data, and develop evidence-based policy recommendations.
- ◇ **Teamwork and Leadership:** Ability to work effectively in diplomatic teams, lead negotiations or projects, and collaborate across cultures and disciplines.

These outcomes collectively prepare students for careers in diplomacy, international organizations, government agencies, non-governmental organizations (NGOs), and multinational corporations where diplomatic skills and understanding of global issues are essential.



# GOVERNMENT DEGREE COLLEGE,

RAYACHOTY, KADAPA DISTRICT, A.P.516269

(Accredited with C grade by NAAC)



## Department of History

From  
MD ISMAIL  
Head of Department of History  
Government Degree College  
RAYACHOTI.

To  
The  
Principal  
Government Degree College  
RAYACHOTI.

**Subject:** Request to Conduct Add on Course on “History of East Asia”

Respected Madam,

I am writing to seek your approval to conduct a Add on Course on “History of East Asia” at Government Degree College, Rayachoti, from 02-01-2019 To 11-02-2019 This course aims to provide the students about “History of East Asia”

The course will be coordinated by MD ISMAIL Lecturers in History. 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 29-12-2018. 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,

*MD. Ismail*  
Government Degree College,  
Rayachoti



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



**Department of History**

**Date: 24.12.2018**

**CIRCULAR**

To,

All students and faculty Members,

Government Degree College Rayachoti.

**Subject:** Certificate Course "History of East Asia"

**Dear Sir/Madams,**

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

**Course Details**

Course Duration: 02-01-2019 To 11-02-2019 (30 Hours)

Venue: Government Degree College Rayachoti

Course Co-Ordinator: MD ISMAIL

Registrations Deadlines: 29-12-2018

Registration Fee: Free

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

*MD. ISMAIL*  
*[Signature]*



# GOVERNMENT DEGREE COLLEGE, RAYACHOTY

(Affiliated to Yogi Vemana University)

Chittor Road, Rayachoti, Kadapa (Dist.)

ACCREDITED BY NAAC WITH "C" GRADE



---

## DEPARTMENT OF HISTORY

### History of East Asia

## SYLLABUS:

The syllabus for a history of East Asia course typically covers a broad range of topics spanning different periods and regions. Here's a general outline of what might be included:

#### 1. Introduction to East Asia

- Geographical and cultural diversity
- Major civilizations (China, Japan, Korea)

#### 2. Ancient East Asia

- Early civilizations: Shang, Zhou, Qin, Han dynasties in China
- Ancient Korea and Japan: early societies and cultural developments

#### 3. Medieval East Asia

- Tang and Song dynasties in China
- Heian period in Japan
- Goryeo and Joseon dynasties in Korea

#### 4. Early Modern East Asia

- Ming and Qing dynasties in China
- Tokugawa Shogunate in Japan
- Joseon dynasty in Korea

#### 5. Modern East Asia

- Impact of Western imperialism and colonialism
  - Meiji Restoration and modernization in Japan
  - Qing Dynasty decline and Republican China
  - Korea under Japanese rule
- Contemporary East Asia

#### 6. Chinese Civil War and Communist China

Post-WWII recovery and development in Japan and Korea

Cold War dynamics in East Asia

Economic rise of East Asia (China, Japan, South Korea)



# GOVERNMENT DEGREE COLLEGE, RAYACHOTY

(Affiliated to Yogi Vemana University)

Chittor Road, Rayachoty, Kadapa (Dist.)

ACCREDITED BY NAAC WITH "C" GRADE



---

## DEPARTMENT OF HISTORY

### History of East Asia

#### Course Outcomes:

Course outcomes for a history of East Asia course typically focus on ensuring students gain a comprehensive understanding of the region's history, its significance, and its impact on global affairs. Here are some suggested course outcomes:

##### **1. Knowledge Acquisition:**

1. Gain a detailed understanding of the major historical periods, events, and cultural developments in East Asia, including China, Japan, and Korea.
2. Identify key figures, movements, and ideologies that have shaped East Asian history.

##### **2. Analytical Skills:**

1. Develop critical thinking skills to analyze historical events, processes, and their implications within East Asia and in relation to global history.
2. Evaluate primary and secondary sources to assess historical interpretations and arguments.

##### **3. Cultural Awareness:**

1. Appreciate the diversity of cultures, religions, philosophies, and artistic expressions within East Asia.
2. Understand the interactions and exchanges between East Asian cultures and other regions over time.

##### **4. Comparative Perspectives:**

1. Compare and contrast the historical experiences of China, Japan, and Korea, highlighting similarities, differences, and interactions among them.
2. Analyze how East Asian history intersects with and influences global historical developments.

### **5.Contextual Understanding:**

1. Situate East Asian history within broader global contexts, including economic, political, social, and environmental factors.
2. Recognize the impacts of East Asia's historical developments on contemporary issues and trends.

### **6.Communication Skills:**

1. Effectively communicate historical knowledge and analysis through written assignments, oral presentations, and class discussions.
2. Develop proficiency in using historical terminology and concepts accurately.

### **7.Ethical and Cultural Sensitivity:**

1. Demonstrate awareness of ethical issues in studying and interpreting East Asian history, including biases, stereotypes, and cultural sensitivities.
2. Respectfully engage with diverse perspectives and narratives within East Asian history.

### **8.Research Proficiency:**

1. Conduct independent research on specific topics related to East Asian history, utilizing a variety of primary and secondary sources.
2. Compile and analyze historical evidence to support arguments and interpretations.

### **9.Application of Knowledge:**

1. Apply knowledge of East Asian history to analyze contemporary issues and developments in East Asia and globally.
2. Reflect critically on the relevance of historical lessons and insights for understanding current geopolitical dynamics.

### **10.Lifelong Learning:**

1. Cultivate a curiosity and interest in further exploring East Asian history beyond the course, as part of lifelong learning and engagement with global history.

These outcomes aim to ensure that students not only acquire a deep understanding of East Asian history but also develop critical thinking, research, and communication skills that are essential for their academic and professional growth. Adjustments can be made based on the specific focus and level of the course, whether undergraduate or graduate.

# **GOVERNMENT DEGREE COLLEGE**

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

*(Accredited with C Grade by NAAC)*



**CERTIFICATE COURSE  
ON  
HORTICULTURE AND CROPS**

**DEPARTMENT OF BOTANY**

**2018-2019**

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  
Degree,College  
Rayachoty

To  
S.Ramachandraiah  
Principal  
Government  
Rayachoty

**Subject:** Request to Conduct Certificate Course on " HORTICULTURE AND CROPS."

Respected Madam,

I am writing to seek your approval to conduct a Certificate Course on " HORTICULTURE AND CROPS." at Government Degree College, Rayachoti, from 02.01.2019 to 18.02.2019. This course aims to provide an in-depth understanding of the, HORTICULTURE and practical knowledge and also skill 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 31.12.2018. 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: 31.12.2018**

**CIRCULAR**

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

  
**Dear Sir/Madams,**

We are pleased to announce a certificate course on HORTICULTURE AND ITS CROP 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: 02.01.2019 to 18.02.2019 (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.

  
D. Lakshmi . M. S.

**GOVERNMENT DEGREE COLLEGE, RAYACHOTY**  
**DEPARTMENT OF BOTANY**  
**CERTIFICATE COURSE**  
**ON**  
**HORTICULTURE AND CROPS**  
**SYLLABUS**

**Unit I : Introduction to Horticulture**

**12 Hrs.**

1. Horticulture: Definition, importance of horticulture in terms of economy, production, employment generation, environmental protection and human resource development.
2. Divisions of horticulture with suitable examples and their importance.
3. Area, production of Horticultural crops in A.P. and India.
4. Fruit and vegetable zones of India and Andhra Pradesh.
5. Export scenario and scope for Horticulture in India.

**Unit II : Classification Horticulture Crops**

**12 Hrs.**

1. Classification of horticultural crops based on soil and climatic requirements.
2. Vegetable crop gardens – Nutrition and kitchen garden – tracer garden – vegetable forcing – market garden – roof garden.
3. Gardens in floriculture – flower gardens – soil and mixed gardens; land scape Horticulture.

# **GOVERNMENT DEGREE COLLEGE**

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

*(Accredited with C Grade by NAAC)*

## **CERTIFICATE COURSE IN HORTICULTURE AND CROPS**

### **OUTCOMES**

Fundamentals of Horticulture Course Outcome

1. - students will be able to identify plant vegetative structure
- 2.- students will understands basic principles, processes and plant propagation methods.
- 3.- students will understands how to propagate plant, manage and harvest a variety of plant
- 4.-students will learn how horticulture relates to the economy and environments, both currently and in the future.
- 5.-This program me will also help students to enhance their employability for jobs in different sectors.