



S.T.S.N. Govt. Degree College

KADIRI - 515591

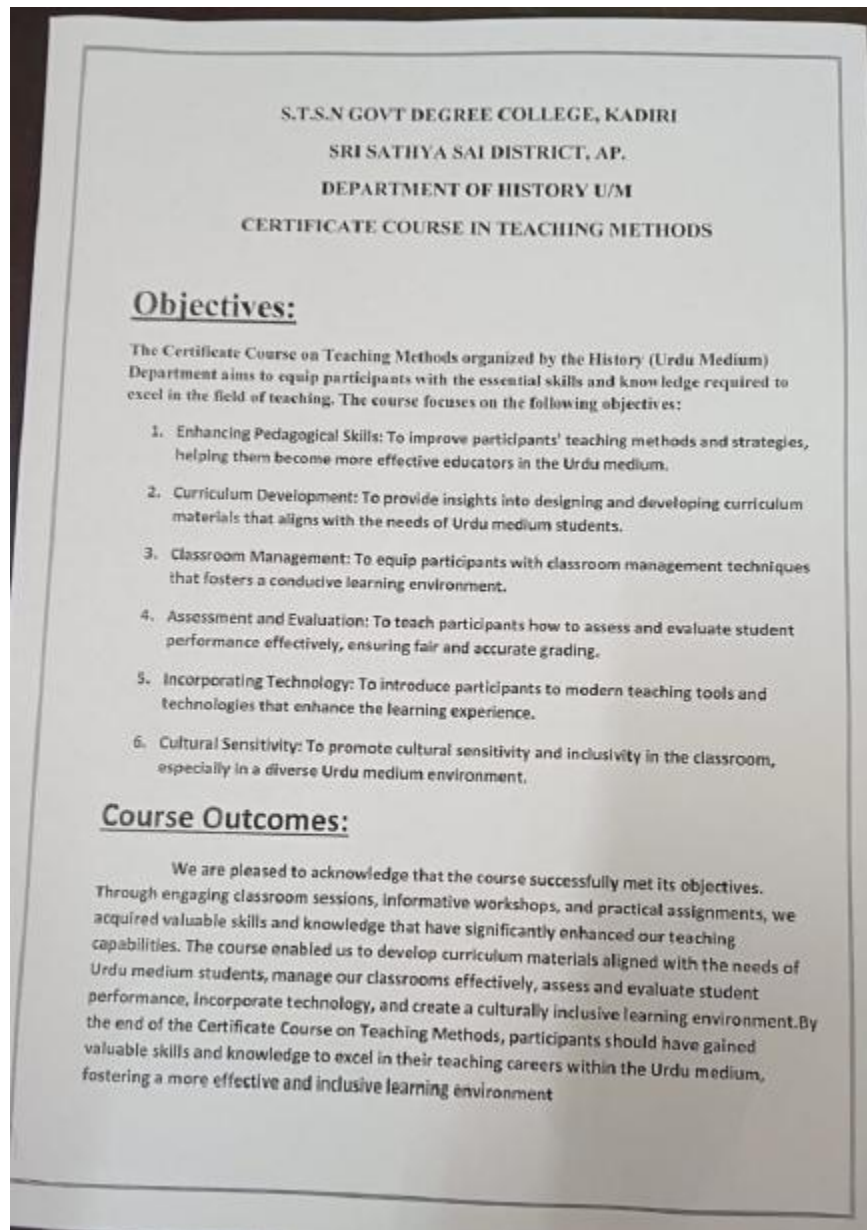
Sri Sathya Sai Dist., A.P.

Affiliated to Sri Krishnadevaraya University (SKU), Ananthapuramu



**1.2.1: Certificates Courses – Notice / Circular – Course Modules and Outcomes
2022-23**

Teaching Methods



Journalism and Mass Communication

STSN GOVT DEGREE COLLEGE, KADIRI

Department of History

Certificate Course on Journalism in Mass Communication

SYLLABUS

Unit	Name of the Topic	Hours Allotted
1	Introduction to Journalism and Mass Communication- History of Journalism and Mass Media-Concepts and Theories in Mass communication	6
2	Media Writing: News writing and reporting-Feature writing Editorial and opinion writing-Writing for digital media-Copy editing and proof reading	6
3	Media ethics and Law-Media ethics and responsibility-Media regulations and laws-Freedom of the press-Intellectual property and copyright	6
4	Multimedia Journalism-Photo Journalism-Broadcast Journalism- Online Journalism-Mobile Journalism-Data Journalism	6
5	Multimedia tools and technologies-Digital media tools-Video and Audio production-Graphics and design software-Data visualization tools	6

Partial Differential Equations:

Department of Mathematics,
STSN GDC, KADIRI,
Sri Sathya Sai Dist.

Circular

To,

All 1st Year B.Sc (MPCS) Students, STSN Government Degree College, Kadiri

Subject: Partial Differential Equations Certificate Course - Mandatory Attendance

Dear Students,

We are excited to inform you about the Partial Differential Equations Certificate Course organized by the Department of Mathematics. The course is scheduled from 20.11.2022 to 19.12.2022

Mandatory Attendance: Attendance for all sessions of the Partial Differential Equations Certificate Course is mandatory. This course is designed to provide you with a strong foundation in Mathematics and help you transition smoothly into your academic journey.

Purpose: The course will introduce you to essential concepts and resources. It will equip you with the necessary skills to excel in your studies.

We look forward to your active participation and a fruitful learning experience.

Best regards,



A handwritten signature in green ink, likely belonging to the Lecturer in Mathematics, is shown in this block.

Lecturer in Mathematics,
Department of Mathematics,
STSN G D C, Kadiri.

MATHEMATICS - Certificate Course: 2022-23

Certificate Course (For I Mathematics students)

Syllabus:

The syllabus for a "bridge course" in partial differential equations can vary depending on the educational institution and the specific goals of the course. However, I can provide you with a general outline of topics that are commonly covered in introductory courses on partial differential equations. Keep in mind that the depth and complexity of each topic can vary based on the course level and the institution offering the course.

1. ****Introduction to Partial Differential Equations:****
 - Definitions and classifications of partial differential equations.
 - Derivation and basic examples of partial differential equations from physical and engineering contexts.
2. ****First-Order Partial Differential Equations:****
 - Classification of first-order PDEs (linear vs. nonlinear, quasilinear, etc.).
 - Method of characteristics for solving first-order PDEs.
 - Transport equations and the concept of characteristics.
3. ****Second-Order Linear Partial Differential Equations:****
 - Classification of second-order linear PDEs (elliptic, parabolic, hyperbolic).
 - The heat equation (parabolic) and its solutions.
 - The wave equation (hyperbolic) and its solutions.
 - Laplace's equation (elliptic) and harmonic functions.
4. ****Boundary Value Problems:****
 - Introduction to boundary value problems and boundary conditions.
 - Dirichlet, Neumann, and mixed boundary conditions.
 - Eigenfunction expansions and separation of variables.
 - Sturm-Liouville theory and eigenvalue problems.
5. ****Finite Difference and Finite Element Methods:****
 - Introduction to numerical methods for solving PDEs.
 - Finite difference approximations and discretization.
 - Basics of finite element methods and mesh generation.
6. ****Nonlinear Partial Differential Equations:****
 - Introduction to nonlinear PDEs and their importance in various fields.
 - Methods for solving certain types of nonlinear PDEs (e.g., shock waves, solitons).
7. ****Applications:****
 - Applications of PDEs in physics, engineering, and other sciences (e.g., heat conduction, fluid dynamics, electromagnetic fields).
 - Introduction to modeling and real-world problem-solving using PDEs.
8. ****Advanced Topics (Optional, Depending on Course Level):****
 - Higher-order PDEs and their properties.
 - Green's functions and integral transform methods.
 - Nonlocal and fractional PDEs.

Remember that the syllabus can vary, and instructors may choose to emphasize certain topics based on the course's objectives and the background of the students. It's always a good idea to consult the official course materials or contact the instructor directly for the most accurate and up-to-date information about the course syllabus.

URDU INPAGE

circular

38

One month certificate course

18-11-2022

Urdu Department is conducting one month certificate course on (Urdu Inpage) from 22-11-2022 to 23-12-2022. Interested student's may give their names at Urdu Department to P. Noorjahan, lecturer in Urdu.

~~Principal~~
Principal

P. Noorjahan
Dept. of Urdu
P. NOORJAHAN

فہرست

- 1 پہلی بات
- 2 کمپیوٹر اور اردو
- 3 ان پیج کا تعارف

..... ان پیج کا آغاز

- 4 ان پیج انسٹال کرنا
- 5 ان پیج چلانا
- 6 شارٹ کٹ بنانا
- 7 نئی فائل (New) بنانا
- 8 پراگرس چیک
- 9 نوٹس

..... کمپوزنگ کا آغاز

- 10 کی۔ بورڈ سیٹ کرنا
- 11 کی۔ بورڈ کا پرنٹ نکالنا
- 12 ٹائپنگ (Typing)
- 13 فائل محفوظ (Save) کرنا
- 14 فائل بند (Close) کرنا
- 15 ان پیج بند کرنا

Apiculture:

Certificate Course in Apiculture
Department of Paramedical Technology
STSN Govt. Degree College Kadiri-515591
Sri Satya Sai (Dist) A.P.

PROPOSAL 2022-2023

1. Title of the Course: Certificate Course in Apiculture

2. Pre-requisites: Under Graduate, Post Graduate

3. Need of the Course:

- ✦ Kadiri constituency 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 Kadiri.

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:
Explain what they need in order to get started in beekeeping

8. Course Design:

Eligibility: Graduate

Course Duration: 30 hours

Resource Person: Faculty member in the Dept. of Paramedical Technology

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 Honey 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 affected 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.

5.1.2. Uses of Honey

5.1.3.. Marketing strategies of Honey

List of Practical's

1. Identification of different bee species.
2. Processing of Honey Extraction.

1. Course Evaluation

a. Online Examination Method

- i. MCQ-20%
- ii. Assignments -20% [Cumulative]

b. Off Line Examination Method

- i. Mid-term test -20%
- ii. Semester-end examination - 40%

C. Nank
LECTURER IN *paramedical tech*
STSN Govt. DEGREE COLLEGE
KADIRI - 515 591
Sri Sathya Sai (Dist).

Biodiversity and Conservation:

CERTIFICATE COURSE IN BIODIVERSITY AND CONSERVATION

Department of Zoology prestigiously introduced 45 days of certificate course in Biodiversity and Conservation. This course may be useful for students will get more knowledge about Biodiversity, concepts of Biodiversity, Hot spots, Global distribution of Biodiversity, Ecosystem functions related to Biodiversity, Biodiversity loss and its consequences, Biodiversity Conservation Strategies. This course may be useful to the students gain knowledge about Biodiversity Conservation

Course Objectives:

- ⊕ Students will get knowledge of Biodiversity conservation are to preserve the diversity of species, sustainable utilization of species and ecosystem and maintain life-supporting systems and essential ecological processes.
- ⊕ Students will get knowledge the variety of life on Earth at all its levels, from genes to ecosystems, and can encompass the evolutionary, ecological, and cultural processes that sustain life.
- ⊕ Students will know about different hot spots.
- ⊕ Students will be aware about how to loss Biodiversity.
- ⊕ Students will be get More Knowledge on Ex-situ conservation and In-situ conservation.
- ⊕ Students will be get more knowledge how to conservation or preservation is to provide protection to the ecosystem from degradation and therefore the consumption of resources must be reduced. The conservation of the organism is also essential for proper maintenance of the ecosystem

Course outcomes:

After successful completion of the course students will have the knowledge and skills to:

- Students will get Knowledge Articulate why society strives to conserve biodiversity.
- Students will get more knowledge how to identify key threats to biodiversity.
- Students will get knowledge how to evaluate which management options are likely to be effective for conserving biodiversity in different settings.
- Students will be able to Develop appropriate policy options for conserving biodiversity in different settings.
- Students will learn different aspects like Different regions of Biodiversity, hot spots, Importance of Biodiversity, loss of Biodiversity and its consequences, Biodiversity conservation strategies Ex-situ conservation and In-situ conservation.

Kavita Vaachan:

Circular

Dt. 27-01-23

Hindi department is conducting one month certificate course on (Kavita-Vaachan) कविता-वाचन (Poetry-Recitation) from 01/02/23 to 03-03-23. Interested Student's may give their names of Hindi Dept. to Smt. K. Chandya, lecturer in Hindi

S. B. Singh
Principal 27.1.23

K. Chandya
Hindi Dept.
Incharge

DEPARTMENT OF HINDI

One Month 'KAVITA-VAACHAN' [Poetry-Recitation]
Certificate-Course [01.2.2023 to 03.3.2023]

Dt. 01.2.23

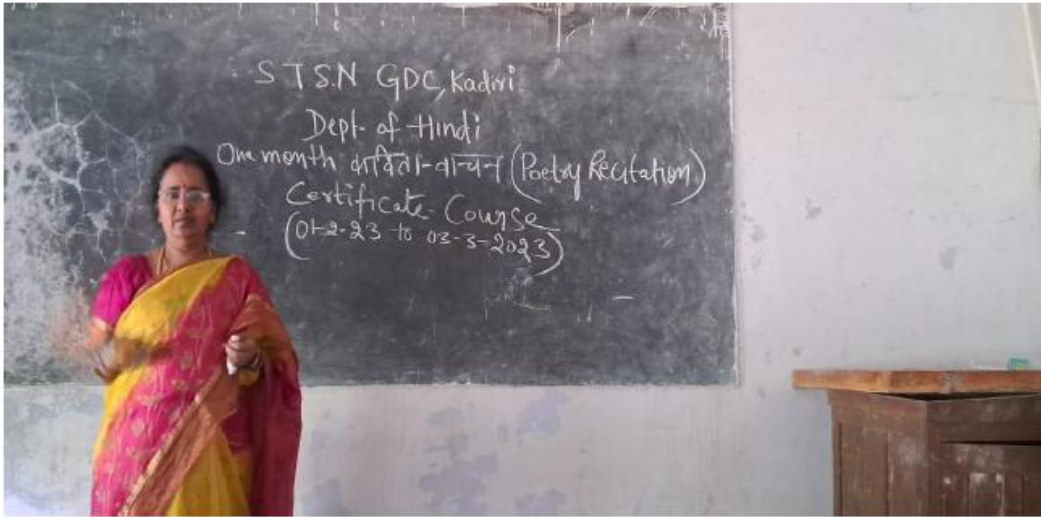
Programme : 'KAVITA VAACHAN' [Poetry Recitation] Certificate-Course

Class & Group : 2ndYr. 3rd Sem. BA/BCOM/BSC

Student's Participated : 20

Objective : To make realize the students that Reading and Recitation improves student's memory, vocabulary and builds confidence, making them socialize and develops imagination. Poem's emphasize languages musical qualities also. And also to know the Hindi poets to the students.

Outcome : Student's are able realize the improvement of reading and recitation of poem's , their importance and Hindi poets too.



Mulberry Nursery:

Course Name : RAISING OF MULBERRY NURSERY
Course Duration : 30 Days
Schedule : 30 Hrs
No. of Participants : 20
Name of the faculty: B.SUNITHA & M.SANTHOSHI KUMARI

SYLLABUS

Unit-I Preparation of Mulberry Nursery

Selection of site and land & climatic conditions-Preparation of land, Preparation of Nursery
Selection of Mulberry genotypes, Preparation of Planting material.

Unit-II Raising of Mulberry

Types of plantation-Pit/method, Row system, Paired row System- Planting Systems-Methods
of Propagation-Stem cutting, Grafting & Budding, Layering-Irrigation.

Unit-III Mulberry Nursery Management

Factors of soil for mulberry growth- Irrigation management-Weeding, Prevention& control
Measures-Nutrient management- Pest and Diseases in Mulberry nursery, Integrated pest and
Disease Management- Economics of Mulberry Nursery.

Unit-IV PHYSIOLOGY & GROWTH OF MULBER

Brief Account of Photosynthesis Chemical Composition of Mulberry leaf, Growth regulating
substances and their application in improvement of mulberry

DEPARTMENT OF SERICULTURE

CERTIFICATE COURSE ON

Raising of Mulberry Nursery

Department of Sericulture prestigiously introduced 30 days of certificate course in Raising of Mulberry Nursery. This course may be useful for students will get more knowledge about Raising of Mulberry Nursery is Multiplication of promising mulberry variety is done by raising saplings in nursery through cuttings.

OBJECTIVES

- To identify suitable soil and climate for mulberry cultivation
- Select suitable methods of preparation of land and plantation.
- To know the Mulberry genotypes and recognize different Mulberry Varieties
- Explain the different methods of Mulberry propagation
- Demonstrate the method of preparation of nursery
- To know the Package of practices in raising of Mulberry Nursery
- To know the income generation and self employability through Mulberry

OUTCOME

At the Successful completion of this course/project Students will be able to learn and gain practical Knowledge

- Students will understand the factors affecting the need to find sustainable practices for production of mulberry.
- Students will understand how the environment influences plant growth and Development.
- Students will understand how to propagate the mulberry and their management.
- Students will gain knowledge on package of practices in mulberry nursery management.
- Student will be able to identify different diseases & pest Mulberry Nursery, they got experience in Disease and pest.
- After completing the project student learnt how to generate income and self employability through Mulberry Nursery

Computer Fundamentals:

DEPARTMENT OF COMPUTERS SCIENCE

CIRCULAR

Date: 03-04-2023

Dear students,

This is to inform you that, the Department of Computers is going to conduct a certificate course in Computer Fundamentals, the duration of the course is 30 days. So, we are informing the Ist year B.Sc; (CS) students. Those who are interested can enroll their names with D.Hazivali, Lecturer in Computers on or before 07.04.2023. The classes will commence from 10.04-2023.

In-charge

Principal

D.Hazivali



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Circulate to Computer Science Students.

SYLLABUS

The syllabus for the fundamentals of computer courses can vary depending on the institution or platform offering the course. However, I can provide you with a general outline of topics that are commonly included in such a course:

1. **Introduction to Computers:**

- Definition and history of computers
- Basic components of a computer system
- Types of computers and their uses

2. **Computer Hardware:**

- Central Processing Unit (CPU)
- Memory: RAM and ROM
- Storage devices: Hard drives, solid-state drives, optical drives
- Input devices: Keyboard, mouse, etc.
- Output devices: Monitor, printer, etc.
- Ports and connectors

3. **Computer Software:**

- System software vs. application software
- Operating systems: Windows, macOS, Linux
- Software installation and updates
- File management and organization

4. **Operating System Basics:**

- User interfaces: Command-line and graphical
- Navigating file systems
- Managing files and folders



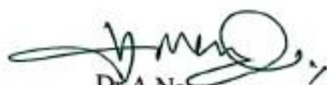
STSN GDC, KADIRI.

DEPARTMENT OF BOTANY



Digital Skilling Course - Syllabus

No.	Topics	Details
1	Introduction	About the course
2	G Mail	Introduction, Interface, Sending mails
3	Google Calendar	Sharing Calendar, Sending meeting invites and reminder
4	Google Docs	Versions of documents / history, Table of contents, Formatting, Convert to pdf, Adding Header, Footer, Page number, Adding Tables.
5	MS Word	A document preparation, Adding Ruler, Wordcount.
6	Google Drive	Permissions, Sharing information, Other Basic Features.
7	MS Power point	Templates, Master slide, Fonts used in title and text box, Inserting audio, video, images, page number, graphs, tables, preparing presentations.
8	Google Forms	Creating a form - basic features, Adding Different Question Types in Google Form, Response sheets all in one book, Document upload, Various other settings.
9	Google Sheet / Excel -Basic	Introduction, Interface, Preparing Table, Filter, Sort, Charts / Graphs, Freezing of rows / columns, wrapping text, merging, justification.
10	Web Conferencing	Introduction, Google Meet, Demo, Functionality of zoom, live streaming.
11	Other useful Apps	Google Classroom, VFlat etc.,


 Dr. A. Narayanaswamy,
 Department of Botany,
 S.T.S.N. GDC, Kadiri.

Digital Skilling Certificate Course - Objectives & Outcomes

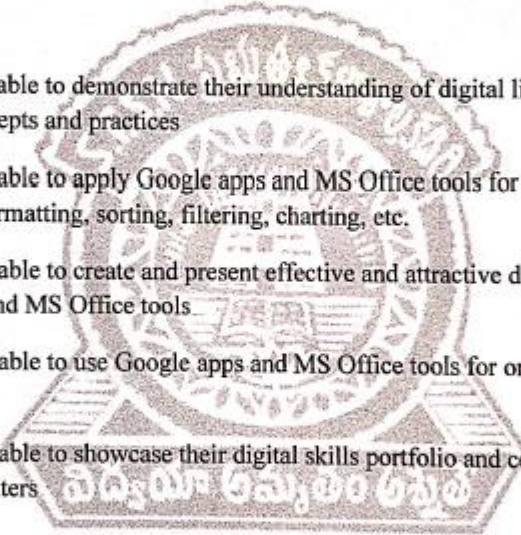
List of objectives and outcomes for the digital skilling certificate course:

Objectives:

- To introduce the students to the basics of digital literacy and online communication
- To familiarize the students with the features and functions of Google apps and MS Office tools
- To enable the students to use Google apps and MS Office tools for data analysis, visualization, and presentation
- To develop the students' skills in creating, editing, sharing, and collaborating on digital documents and projects
- To enhance the students' confidence and competence in using digital technologies for academic and professional purposes

Outcomes:

- The students will be able to demonstrate their understanding of digital literacy and online communication concepts and practices
- The students will be able to apply Google apps and MS Office tools for various tasks such as data entry, calculation, formatting, sorting, filtering, charting, etc.
- The students will be able to create and present effective and attractive digital documents and projects using Google apps and MS Office tools
- The students will be able to use Google apps and MS Office tools for online collaboration and teamwork
- The students will be able to showcase their digital skills portfolio and certificate to potential employers and recruiters



Communication Skills Certificate Course - Objectives & Outcomes

Course Objectives:

1. Fundamentals of Communication:

- Understand the basic principles of communication.
- Identify common barriers to effective communication.
- Develop active listening skills to enhance comprehension.

2. Verbal Communication:

- Enhance clarity and pronunciation in spoken communication.
- Learn voice modulation techniques and appropriate tone usage.
- Expand vocabulary for more effective verbal expression.

3. Non-Verbal Communication:

- Recognize the significance of body language and gestures in communication.
- Understand how facial expressions convey emotions and messages.
- Master the use of eye contact and posture to support effective communication.

4. Written Communication:

- Write professional and effective business emails.
- Improve grammar and punctuation skills for written documents.
- Learn formatting and editing techniques for clear and concise writing.

5. Presentation Skills:

- Plan and structure presentations effectively.
- Utilize visual aids to enhance presentation impact.
- Engage the audience through effective delivery techniques.

Course Outcomes:

1. Fundamentals of Communication:

- Participants will grasp the core principles of communication.
- They will identify and address common communication barriers.
- Participants will develop active listening skills, enhancing their ability to understand and respond effectively in conversations.

2. Verbal Communication:

- Participants will speak with improved clarity and pronunciation.
- They will employ voice modulation and tone effectively to convey messages.
- Participants will expand their vocabulary, leading to more precise verbal expression.

3. Non-Verbal Communication:

- Participants will understand and utilize body language and gestures effectively.
- They will recognize and interpret facial expressions to better understand others.
- Participants will employ appropriate eye contact and posture, enhancing their non-verbal communication skills.

4. Written Communication:

- Participants will craft professional and impactful business emails.
- They will demonstrate improved grammar and punctuation in written documents.
- Participants will format and edit their writing for clarity and conciseness.

5. Presentation Skills:

- Participants will plan and structure presentations that are engaging and organized.
- They will use visual aids effectively to enhance presentation impact.
- Participants will engage the audience confidently and maintain their attention throughout the presentation.

By the end of this course, participants will have acquired a comprehensive set of communication skills, enabling them to communicate effectively in various personal and professional contexts, both verbally and in writing. They will also be better equipped to deliver compelling presentations and navigate non-verbal communication cues, ultimately leading to improved interpersonal interactions and successful communication outcomes.

Time Table (Action Plan)

April 20th to May 30th - 2023

Name of the Unit	Time
Module 1: Fundamentals of Communication <ul style="list-style-type: none">• Introduction to Communication• Barriers to Effective Communication• Active Listening Skills	Week - 1
Module 2: Verbal Communication <ul style="list-style-type: none">• The Art of Speaking: Clarity and Pronunciation• Voice Modulation and Tone Vocabulary Enhancement	Week - 2
Module 3: Non-Verbal Communication <ul style="list-style-type: none">• Body Language and Gestures• Facial Expressions• Eye Contact and Posture	Week -3
Module 4: Written Communication <ul style="list-style-type: none">• Effective Business Emails• Grammar and Punctuation• Formatting and Editing	Week -4
Module 5: Presentation Skills <ul style="list-style-type: none">• Planning and Structuring Presentations• Effective Use of Visual Aids• Engaging the Audience	Week -5

TABLE TENNIS Summer Coaching Camp**Certificate course time table**

S.No	Date	Topic Covered
1	01.07.2023	Inaugural function
2	03.07.2023	Introduction about certificate course
3	04.07.2023	Introduction of Bio-plastics
4	05.07.2023	Course objectives
5	06.07.2023	Course objectives
6	07.07.2023	Course outcomes
7	10.07.2023	Course outcomes
8	11.07.2023	Experimental part
9	12.07.2023	Experimental part
10	13.07.2023	Types of plastics
11	14.07.2023	Types of plastics
12	15.07.2023	Starch based bio-plastics
13	17.07.2023	Cellulose based bio-plastics
14	18.07.2023	Protein based bio-plastics
15	19.07.2023	Protein based bio-plastics
16	20.07.2023	Bio degradation of Bio-plastics
17	21.07.2023	Bio degradation of Bio-plastics
18	22.07.2023	Environmental impact of Bio-plastics
19	24.07.2023	Environmental impact of Bio-plastics
20	26.07.2023	Applications of Bio-plastics
21	27.07.2023	Applications of Bio-plastics
22	28.07.2023	Conduct on exam
23	29.07.2023	Evaluation
24	31.07.2023	Issue of certificates

OUT COMES:

- Department of Physical Education conducted Table Tennis Summer Coaching Camp in collaboration with District Sports Authority, Sri Sathya Sai Dist. A.P. from 01-05-2023 to 31-05-2023.
- This camp was inaugurated by our Beloved Principal Madam Dr.S. Smitha Garu.
- 15 member students are participated in this camp.
- Due to this camp the students actively participated and learnt the Techniques of Table Tennis game and benefited for future Table Tennis tournaments.
- The District Sports Development Officer Sri Jagannatha Reddy Garu also visited the camp and encourages the students to participate in sports and appreciated the efforts of Department of Physical Education for conducting summer coaching camp.
- Student got awareness about the Rules and Regulation of Table Tennis game.
- The camp helped the students to maintain Physical Fitness.
- Through this cap the students benefited by more practice and got ready to participate in future tournaments.
- The Camp helped the students to develop sportiveness and maintain the spirit of the sports competitions.

Human Rights

STSN GOVT. DEGREE COLLEGE , KADIRI
SRI SATHYA SAI DISTRICT
DEPARTMENT OF POLITICAL SCIENCE
SUBJECT RELATED CERTIFICATE COURSE
"HUMAN RIGHTS"
(ACADEMIC YEAR 2022-23)

Objectives of the course :

1. **Understanding Human Rights Concepts:** The course aimed to provide students with a solid foundation in the concepts and principles of human rights, exploring the historical evolution and philosophical underpinnings.
2. **Awareness of International Human Rights Instruments:** Participants were introduced to key international treaties and conventions related to human rights, fostering an understanding of the global legal framework.
3. **Application of Human Rights to Contemporary Issues:** The course sought to enable students to apply human rights principles to contemporary socio-political challenges, fostering a critical perspective on issues like discrimination, inequality, and social justice.
4. **Promotion of Advocacy Skills:** Participants were encouraged to develop advocacy and communication skills to effectively address human rights violations, both at a local and global level.
5. **Legal and Ethical Dimensions:** The program aimed to familiarize students with the legal and ethical dimensions of human rights, exploring the role of governments, institutions, and individuals in upholding human rights standards.

Outcomes:

1. **In-depth Knowledge:** Participants gained a thorough understanding of the theoretical foundations and practical applications of human rights concepts.
2. **Critical Thinking:** The course fostered critical thinking skills, enabling students to analyze and evaluate human rights issues from multiple perspectives.
3. **Global Perspective:** Exposure to international human rights instruments broadened participants' perspectives, emphasizing the interconnectedness of human rights on a global scale.
4. **Advocacy Competence:** Students developed the ability to articulate and advocate for human rights, both orally and in writing, contributing to the promotion of awareness and positive change.
5. **Ethical Awareness:** Participants gained insights into the ethical considerations surrounding human rights, fostering a sense of responsibility and ethical decision-making in various contexts.
6. **Application to Real-world Scenarios:** The course equipped students with the skills to apply human rights principles to real-world situations, enhancing their ability to contribute to a just and inclusive society.

Overall, the Certificate Course on Human Rights conducted by the Department of Political Science aimed to empower students with the knowledge, skills, and ethical awareness necessary to actively engage in the promotion and protection of human rights in diverse societal contexts.

Module: Appliance Operation and Maintenance

Objective: Teach students how to effectively operate and maintain electrical appliances to prolong their lifespan, ensure optimal performance, and enhance safety.

Learning Outcomes: By the end of this module, students should be able to:

Operate Appliances Safely:

Demonstrate correct procedures for turning appliances on, using controls, and adjusting settings.

Understand User Manuals:

Explain the importance of reading user manuals for proper appliance operation.

Interpret symbols, labels, and instructions in user manuals.

Perform Routine Maintenance:

List routine maintenance tasks for different appliances (e.g., cleaning filters, defrosting, lubricating moving parts).

Follow Cleaning Guidelines:

Describe appropriate cleaning methods and materials for various appliance surfaces.

Preventive Maintenance:

Explain the benefits of preventive maintenance to prevent breakdowns and costly repairs.

Extend Appliance Lifespan:

Provide tips for using appliances in a way that minimizes wear and tear.

Topics Covered:

Safe Appliance Operation:

The importance of following manufacturer guidelines for proper appliance usage. Avoiding improper use that could lead to damage or accidents.

User Manuals and Instructions:

Understanding the structure of user manuals. Importance of reading and referring to manuals for troubleshooting and maintenance.

Routine Maintenance Tasks:

Specific maintenance tasks for different appliances (e.g., cleaning lint filters, descaling kettles). How regular maintenance can improve performance and efficiency.

Effective Cleaning Practices:

Materials and methods for cleaning appliance exteriors, interiors, and components. Importance of cleanliness for appliance longevity.

2021-22

Vermi compost Technology

Syllabus

UNIT 1

1. Introduction to vermiculture, definition, classification, history, economic important, their value in maintenance of soil structure.
2. Its role in bio transformation of the residues generated by human activity and production of organic fertilizers.
3. Choosing the right worm. Useful species of earthworms. Local species of earthworms. Exotic species of earthworms.
4. Biology of Pheretimaposthuma. a) Taxonomy Anatomy, physiology and reproduction. b) Vital cycle of Pheretimaposthuma: alimentation, fecundity, annual reproducer potential.

UNIT 2

5. Limit factors (gases, diet, humidity, temperature, PH , light, and climatic factors).
6. Physio- chemical parameters of Vermicompost.
7. Different Methods of Vermicomposting: Small- and large-scale Bed method, Pit method Small Scale Earthworm farming for home gardens - Earthworm compost for home gardens.
8. Conventional commercial composting - Earthworm composting larger scale.
9. Pest and diseases of earthworms. Frequent problems. How to prevent and fix them. Complementary activities of auto evaluation.
10. Nutritional Composition of Vermicompost for plants, comparison with other fertilizer.

UNIT 3

11. Earthworm Farming (Vermiculture), Extraction (harvest), vermicomposting harvest and processing.
12. Vermiwash
13. Small Scale Earthworm farming for home gardens
14. Conventional commercial composting

PACKAGE OF PRACTICES IN SERICULTURE

DEPARTMENT OF SERICULTURE

CERTIFICATE COURSE IN PACKAGE OF PRACTICES IN SERICULTURE

OBJECTIVES:

- To introduce the concepts of origin, growth, study of sericulture as science.
- To understand the scientific approach of mulberry.
- To imparting training in mulberry cultivation, silkworm rearing.
- To give scientific knowledge about mulberry cultivation , silkworm rearing techniques to the students.
- To make the students aware about soil to soil concept, sericulture extention and innovation/techniques
- To train the students in comprehensive value added products production techniques
- To make the students understand about various value added products prepared from different wastes generated during various stages of sericulture.
- To provide hands –on training in the preparation of value added products from sericulture wastes obtained during various stages of silk production.

Activities:

- Mulberry cultivation practices in mulberry garden.
- Disinfection of rearing house.
- Chawki rearing .
- Preparation of valued added products i.e mulberry jam preparation, preparation of cocoon hand crafts etc.
- Visiting of mulberry cultivation and silkworm rearing centres.

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 as science.
- Study of scope of mulberry cultivation.

Students got experience in different kinds of activities in mulberry cultivation

Vermicompost

COURSE DESCRIPTION AND OBJECTIVES

COURSE DESCRIPTION

Department of Sericulture prestigiously introduced 45 days of certificate course in *WASTE RECYCLING INTO VERMICOMPOST*. This course may be useful for students will get more knowledge about Vermicomposting is a natural process Whereby earthworms convert waste material with rigid structures into compost. This course may be useful to the students gain knowledge about Composting Conservation

COURSE OBJECTIVES :

- The main objective of vermicomposting project is to produce organic manure of exceptional quality for the organically starved soil.
- Students will get knowledge of how recycling converts organic materials that have traditionally been viewed as waste into a valuable soil amendment for plants and crops.
- Students will be know about different earthworms.
- Students will be get More Knowledge on Composting It promotes better root growth and nutrient absorption.
- Students will be get more knowledge how to Vermicompost can be used in organic farming and small scale sustainable farming. Vermicompost has several excellent properties and has many advantages when applied to the soil. Vermicompost is an excellent nutrient-rich organic fertiliser, which helps plants to grow well and give better yields.

STUDENT LEARNING OUTCOMES

After Successful Completion Of The Course Students Will Have The Knowledge And Skills & Including

- Acquire a critical knowledge on role of earth worms in making organic matter from biodegradable wastes.
- Understand the biology of some important species of earth worms used in vermiculture.
- Acquire skills on production of vermicompost. & Students will be get knowledge on composting less space is need
- Explain benefits and problems with vermiculture and vermicompost
- Students will be get more knowledge how Earthworm gut play a vital role in the process of nutrient solubilization, bioremediation, And fortification of thr beneficial microbe population.
- Students will be get knowledge on composting less space is ne

Introduction to Political Science

STSN GOVT DEGREE COLLEGE, KADIRI

DEPARTMENT OF POLITICAL SCIENCE

Short term course on Political Science

Objectives of Introduction to Political Science

- Acquire essential knowledge in political science.
- Students can earn Key political science concepts.
- To explore the major tenets of the political system or acquire basic knowledge.
- preceding an election will find this course useful.
- Showcase your proficiency in political science topics to current and future employers.
- Make informed decisions in local, state and national elections.
- Demonstrate to employers your desire to continue your education and explore new topics.
- Enhance your social interactions and conversations with co-workers and peers.
- Choose an appropriate political group for your volunteer activities.
- Meet continuing education requirements.

Coaching for Police constables

CIRCULAR

101 103

22-10-2021

అధ్యక్షుని అధ్యక్షులకు తెలియ జేయటం వల్ల
కావాలి వారు ఎంపీ అప్లికేషన్లు పంపించాలి
పాటు ఉండాలిగా వాటిని పంపించాలి అని
అంది ఇప్పుడు మళ్ళీ అప్లికేషన్లు application
form పంపించాలి అని పంపించాలి అని
అంది అందుకు అంది తెలియజేయటం వల్ల
జేయటం.

- * అప్లికేషన్లు: 24-11-2021 to 24-12-2021 వరకు
- * Application: 25-10-2021 నుంచి P.D నాటి వరకు అందాలి.

[Signature]
 PRINCIPAL
 GOVT. DEGREE COLLEGE
 KADIRI-515 591
 Anantapuramu (Dist.)

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 Teachers

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 III B.A. + Different

III UHP
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 II Sem BA, B.Com, UHP

II B.A. H.P. *[Signature]*

III B.Sc. H.P.

II B.Com C.A.E Gen *[Signature]*

III B.Com C.A.E Gen

III BA H.P.

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DEPARTMENT OF PHYSICAL EDUCATION, S.T.S.N. GOVT. DEGREE COLLEGE, KADIRI.
FREE COACHING FOR CONSTABLE SELECTIONS -2021 (MEN & WOMEN)
PROGRAMME SCHEDULE FOR PHYSICAL ACTIVITIES

DATE	MORNING SECESSION 6.30am To 8.00 am			EVENING SECESSION 3.30 pm to 5.00 pm				
	04-12-2021	Inaugural function at 11.00 am			Warming up	1600 mts.	100 mts.	GYM
06-12-2021	Warming up	1600 mts.	Long jump	Warming up	1600 mts.	100 mts.	GYM	Long Jump
07-12-2021	Warming up	1600 mts.	Long jump	Warming up	1600 mts.	100 mts.	GYM	Long Jump
08-12-2021	Warming up	1600 mts.	Long jump	Warming up	1600 mts.	100 mts.	GYM	Long Jump
09-12-2021	Warming up	1600 mts.	Long jump	Warming up	1600 mts.	100 mts.	GYM	Long Jump
10-12-2021	Warming up	100 mts.	Long jump	Warming up	100mts.	1600 mts	GYM	Long Jump
11-12-2021	Warming up	100 mts.	Long jump	Warming up	100mts.	1600 mts	GYM	Long Jump
13-12-2021	Warming up	100 mts.	Long jump	Warming up	100mts.	1600 mts	GYM	Long Jump
14-12-2021	Warming up	100 mts.	Long jump	Warming up	100mts.	1600 mts	GYM	Long Jump
15-12-2021	Warming up	100 mts.	Long jump	Warming up	100mts.	1600 mts	GYM	Long Jump
16-12-2021	Warming up	100 mts.	Long jump	Warming up	100mts.	1600 mts	GYM	Long Jump
17-12-2021	Warming up	100 mts.	Long jump	Warming up	1600 mts	100 mts.	GYM	Long Jump
18-12-2021	Warming up	100 mts.	Long jump	Warming up	1600 mts	100 mts.	GYM	Long Jump
20-12-2021	Warming up	100 mts.	Long jump	Warming up	1600 mts	100 mts.	GYM	Long Jump
21-12-2021	Warming up	100 mts.	Long jump	Warming up	1600 mts	100 mts.	GYM	Long Jump
22-12-2021	Warming up	100 mts.	Long jump	Warming up	1600 mts	100 mts.	GYM	Long Jump
23-12-2021	Warming up	100 mts.	Long jump	Warming up	1600 mts	100 mts.	GYM	Long Jump
24-12-2021	Warming up	100 mts.	Long jump	Warming up	1600 mts	100 mts.	GYM	Long Jump
27-12-2021	Warming up	100 mts.	Long jump	Warming up	1600 mts	100 mts.	GYM	Long Jump
28-12-2021	Warming up	100 mts.	Long jump	Warming up	1600 mts	100 mts.	GYM	Long Jump
29-12-2021	Warming up	100 mts.	Long jump	Warming up	1600 mts	100 mts.	GYM	Long Jump
30-12-2021	Warming up	100 mts.	Long jump	Warming up	1600 mts	100 mts.	GYM	Long Jump
31-12-2021	Warming up	100 mts.	Long jump	Warming up	1600 mts	100 mts.	GYM	Long Jump
02-01-2022	Warming up	100 mts.	Long jump	Warming up	1600 mts	100 mts.	GYM	Long Jump
03-01-2022	Warming up	100 mts.	Long jump	Warming up	1600 mts	100 mts.	GYM	Long Jump
04-01-2022	Warming up	100 mts.	Long jump	Warming up	1600 mts	100 mts.	GYM	Long Jump
05-01-2022	Warming up	100 mts.	Long jump	Warming up	1600 mts	100 mts.	GYM	Long Jump
06-01-2022	Warming up	100 mts.	Long jump	Warming up	1600 mts	100 mts.	GYM	Long Jump
07-01-2022	Warming up	100 mts.	Long jump	Warming up	1600 mts	100 mts.	GYM	Long Jump
08-01-2022	Warming up	100 mts.	Long jump	Warming up	1600 mts	100 mts.	GYM	Long Jump
10-01-2022	Warming up	100 mts.	Long jump	Warming up	1600 mts	100 mts.	GYM	Long Jump
11-01-2022	Warming up	100 mts.	Long jump	Warming up	1600 mts	100 mts.	GYM	Long Jump
12-01-2022	Valedictory Function at 11.00am							

Mushroom cultivation

Circular

01.01.2022
STSN GDC,
Kadiri.

Dear Students,

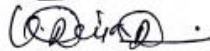
I am happy announce that a Certificate Course on "**Mushroom Cultivation**" will be conducted at STSN Government Degree College, Kadiri. The course is scheduled to take place from January 3rd to February 28th, 2022, and will span 30 working days, with a total of 30 hours of instruction.

The course will be coordinated by Dr. A. Narayana Swamy, Head of the Department of Botany. Dr. Swamy is an expert in the field of botany and has extensive experience in mushroom cultivation. The course will cover the following topics:

- Introduction to mushroom cultivation
- Types of mushrooms and their cultivation
- Composting and substrate preparation
- Mushroom harvesting and post-harvest handling
- Marketing and economics of mushroom cultivation

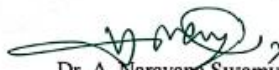
The course will be held every day from 4-5 PM for one hour. We encourage all students who are interested in learning about mushroom cultivation to attend this course. It will be a great opportunity to gain valuable knowledge and skills that will serve you well in your future careers.

Thank you for your attention.

III B2C



These
Sign


Sincerely,


Dr. A. Narayana Swamy,
Head of the Department (HOD),
Department of Botany,
STSN GDC, KADIRI.

STSN GOVERNMENT DEGREE COLLEGE; KADIRI
CERTIFICATE COURSES IN BOTANY (2021-2022)
(Mushroom cultivation - Theory Syllabus)

SYLLABUS OF THE COURSE

UNIT I

History and introduction: Edible mushrooms and Poisonous mushrooms.

Systematic position, morphology, distribution, structure and life cycle of *Agaricus* and *Pleurotus*.

6 H

UNIT II

Nutritional value, medicinal value and advantages – types - milky, straw, button mushrooms,

Equipment for mushroom cultivation

5 H

UNIT III

Cultivation Technology: button mushrooms mushroom – substrate, spawn making. Methods – bed method.

6 H

UNIT IV

Oyster mushroom cultivation –Substrate, spawning, pre-treatment of substrate.

Maintenance of mushroom Cultivation of milky mushroom – Spawn, composting, spawning, harvesting

5 H

UNIT V

Diseases - Common pests, disease prevention and control measures.

Processing - Blanching, steeping, sun drying, canning, pickling, freeze drying.

Storage – short term and long-term storage.

8 H

Field Study: Visiting the mushroom cultivating Laboratory or Farm

REFERENCES:

1. Pandey B P 1996. A textbook of fungi. Chand and company, New Delhi.
2. Kaul T N 2001. Biology and conservation of mushrooms. Oxford and IBH publishing company N.Delhi
3. Gupta P.K. Elements of Biotechnology. Teaching and Practical session will be 90 working periods
4. Harander Singh. 1991. Mushrooms- The Art of Cultivation- Sterling Publishers.
5. Indian Journal of Mushrooms. Published by I.M.G.A. Mushroom Research Laboratory. College Agriculture, Solan

STSN GOVERNMENT DEGREE COLLEGE; KADIRI
CERTIFICATE COURSES IN BOTANY (2021-2022)
(Mushroom cultivation - Theory Syllabus)

Certificate Course in Mushroom Cultivation

Course Objectives:

- 1. Understanding Mushroom Diversity:** To provide students with a comprehensive understanding of edible and poisonous mushrooms, exploring their systematic position, morphology, distribution, structure, and life cycle, with a focus on *Agaricus* and *Pleurotus*.
- 2. Nutritional and Medicinal Value:** To elucidate the nutritional and medicinal value of mushrooms, emphasizing the types such as milky, straw, and button mushrooms.
- 3. Cultivation Technology for Button Mushrooms:** To equip students with practical knowledge of button mushroom cultivation, covering aspects like substrate preparation, and cultivation methods, specifically the bed method.
- 4. Oyster Mushroom Cultivation:** To provide insights into the cultivation of oyster mushrooms.
- 5. Disease Prevention and Control:** To educate students on common pests and diseases affecting mushroom cultivation, and to impart knowledge on preventive measures and control strategies, and healthy mushroom farming practices.
- 6. Post-Harvest Processing and Storage:** To familiarize students with post-harvest processing techniques.
- 8. Field Study:** To provide practical exposure to students through a field study, allowing them to visit a mushroom cultivating farm. This hands-on experience aims to reinforce theoretical knowledge and enhance practical skills.

Course Outcomes:

Upon completion of the course, students should be able to:

- Identify and differentiate between edible and poisonous mushrooms.
- Evaluate the nutritional and medicinal value of various mushroom types.
- Demonstrate proficiency in button mushroom cultivation techniques, including substrate preparation and spawn making.
- Apply knowledge to successfully cultivate oyster and white button mushrooms.
- Identify, prevent, and control common pests and diseases affecting mushroom cultivation.
- Execute post-harvest processing techniques for mushrooms.
- Gain practical experience through a field study, integrating theoretical knowledge into real-world applications.

The course aims to empower individuals with the knowledge and skills necessary for successful mushroom cultivation, fostering an understanding of the entire cultivation process, from growth to post-harvest processing.

Cyber Security and ethical Hacking

SYLLABUS

UNIT I INTRODUCTION

Introduction to Cyber Security - Importance and challenges in Cyber Security - Cyberspace - Cyber threats - Cyber warfare - CIA Triad - Cyber Terrorism - Cyber Security of Critical Infrastructure - Cyber security -Organizational Implications.

UNIT II HACKERS AND CYBER CRIMES

Types of Hackers - Hackers and Crackers - Cyber-Attacks and Vulnerabilities - Malware threats - Sniffing - Gaining Access - Escalating Privileges - Executing Applications - Hiding Files - Covering Tracks - Worms - Trojans - Viruses - Backdoors

UNIT III ETHICAL HACKINGAND SOCIAL ENGINEERING

Ethical Hacking Concepts and Scopes - Threats and Attack Vectors - Information Assurance - Threat Modeling - Enterprise Information Security Architecture - Vulnerability Assessment and Penetration Testing - Types of Social Engineering - Insider Attack - Preventing Insider Threats - Social Engineering Targets and Defence Strategies.

UNIT IV CYBER ETHICS AND LAWS

Introduction to Cyber Laws - E-Commerce and E-Governance - Certifying Authority and Controller - Offences under IT Act- Computer Offences and its penalty under IT Act 2000 - Intellectual Property Rights in Cyberspace.

Course objectives:

The course is designed in a way that a candidate can identify, analyze and remediate computer security breaches by learning and implementing the real-world scenarios in Cyber Investigations Laboratory, Network Security Laboratory and in Security and Penetration Testing Laboratory.

- Exhibit knowledge to secure corrupted systems, protect personal data, and secure computer networks in an Organization.
- Practice with an expertise in academics to design and implement security solutions.
- Understand key terms and concepts in Cryptography, Governance and Compliance
- Develop cyber security strategies and policies
- Understand principles of web security and to guarantee a secure network by monitoring and analyzing the nature of attacks through cyber/computer forensics software/tools.

Course outcomes:

Upon successful completion of the programme, candidates will be familiar with cyber security landscapes and able to

- Analyze and evaluate the cyber security needs of an organization.
- Determine and analyze software vulnerabilities and security solutions to reduce the risk of exploitation.
- Measure the performance and troubleshoot cyber security systems.
- Implement cyber security solutions and use of cyber security, information assurance, and cyber/computer forensics software/tools.
- Comprehend and execute risk management processes, risk treatment methods, and key risk and performance indicators
- Design and develop security architecture for an organization.
- Design operational and strategic cyber security strategies and policies

Parasitology

STSN GOVT DEGREE COLLEGE KADIRI
DEPARTMENT OF PARAMEDICAL TECHNOLOGY
CERTIFICATE COURSE IN PARASITOLOGY

Duration: 1 Month

Unit: 1

Medical Parasitology: Introduction of parasites, Transmission infections and causing diseases, identification of parasites, prevention of parasitic diseases, clinical importance of parasites.

Unit: 2

Protozoan parasites: laboratory tolls for parasites – collection preservation, identification of parasites, intestinal protozoan parasites, (Entamoeba histolitica, Geordiae), malarial parasites (plasmodium species)

Unit: 3

Helminth parasites: laboratory techniques for blood parasites, sample collection, preparation and staining, observation and blood films.

Cestodes (teniasaginata, teniasolium, wuchereria bancrofti)

Unit: 4

Lab diagnosis of parasitic infections: serological diagnosis of parasites, urine, sputum, urogenital swabs, parasitic infections, and helminthic infections.

C. Nankh

LECTURER IN Paramedical
STSN GOVT DEGREE COLLEGE
KADIRI - 510101
Sri Gathya Sai (Dist),

Immunology – Health and Disease

STSN GOVT DEGREE COLLEGE KADIRI

ANANIAPURAMU DISTRIC, AP.

DEPARTMENT OF ZOOLOGY

CERTIFICATE COURSE IN IMMUNOLOGY – HEALTH AND DISEASE

Department of Zoology prestigiously introduced 45 days of certificate course in immunology – health and disease. This course may be useful for students will get exposure of handling and processing of immunology, organs and cells of immune system, types of anti bodies and functions, immunoematology, hypersensitivity, vaccination, immunization. This course may be useful to the students in their daily life and health aspects.

Course objectives:

- Students will get knowledge of immunity- health and diseases
- Students will be capable of pursue immunoematology based practical's.
- Students can inculcate the importance of health and hygiene in their daily life.
- To give in-depth knowledge about blood grouping and estimation of hemoglobin.
- Students can select suitable diagnostic tools for particular tests.

Course outcomes:

After completion of the course student will be able to do:

- Students will get knowledge on immunity and how it works in our body.
- Students will get skill on doing blood grouping and hemoglobin determination techniques and gain practical knowledge on it.
- Students can gain the knowledge on importance of immunity in their daily life.
- Verifying the accuracy of laboratory results.
- Apply this knowledge to their future studies.

Number Theory

STSN Govt. Degree College Kadiri, Ananthapuramu

Department of Mathematics

Syllabus of add-on course on Number Theory

Course Objectives:

To present a rigorous development of Number Theory using axioms, definitions, examples, theorems and their proofs.

Topical Outline of the Course Content:

Module 1: Divisibility and Primes – 1:

Well-ordering Principle – Division algorithm, Euclid's algorithm, linear Diophantine equation.

Module 2: Divisibility and Primes – 2 :

Prime numbers, fundamental theorem of arithmetic.

Module 3: Congruences – 1:

Congruence, Properties of Congruence, Linear Congruence, Simultaneous Linear Congruences, Chinese Remainder Theorem.

Module 4: Congruences – 2:

Fermat's Little Theorem, Wilson's theorem, Pseudo-primes.

Module 5: Number theoretic functions:

Greatest Integer Function, Euler's ϕ -function, Arithmetic Functions, Mobius Function, Dirichlet product.

Student Learning Outcomes. Students will be able to :

- 1) effectively express the concepts and results of Number Theory.
- 2) construct mathematical proofs of statements and find counter examples to false statements in Number Theory.
- 3) collect and use numerical data to form conjectures about the integers.
- 4) understand the logic and methods behind the major proofs in Number Theory.
- 5) work effectively as part of a group to solve challenging problems in Number Theory.

Reference Books:

1. K. Rosen, Elementary Number Theory and its Applications (5th Edition), Addison-Wesley (2005).
2. T. Koshy, Elementary Number Theory with Applications, Harcourt/Academic Press (2002)
3. G. Andrews, Number Theory, Dover Publications (1994)

Detection of Adulterants in some common food stuff

Brief Report

STSN Govt Degree College, KADIRI.
Sri Sathya Sai (Dist)
Department of Chemistry.
(01-04-22 to 30-04-22)
(2021-2022)

Programme : Certificate course
Nature of the Programme : Apply the knowledge and skills in detection of adulterants in common food
Class : II. B Sc (BZC & CZS)
No of Students participants : 20
Incharge Lecturer : P.Guruprathap Reddy

Course objectives

- Students will get knowledge about food adulteration.
- Students will know how to detect adulterants in common food-stuff by lab based chemicals.

Course Output

- To create awareness among public, regarding food adulteration.
- Students can include the importance of health and hygienic in their daily life.
- Analytical Skills.

Brief Report

II B.Sc students studied different chemical reactions involving in the process of detection of different adulterants in different food items. These experiments were performed for the purpose of detecting various adulterants present in common food. The experiments have been performed by common laboratory methods. Students can include the importance of health and hygienic in their daily life. To build healthy society by consuming unadulterated food.


Lecturer in Chemistry
S.T.S.N.Govt. Degree College
KADIRI - 515 591

-CONTENTS-

<i>SL.NO.</i>	<i>DESCRIPTION</i>	<i>PAGE NO.</i>
<i>1.</i>	<i>CONTENTS</i>	<i>(i)</i>
<i>2.</i>	<i>CHAPTER-1</i>	<i>2</i>
	<ul style="list-style-type: none"><i>• INTRODUCTION</i><i>• SOME ADULTERANTS IN COMMON FOOD</i><i>• IMPACT OF ADULTERANTS</i><i>• DIFFERENT CHEMICAL TESTS FOR DETECTION OF ADUTERANTS</i>	<i>3</i> <i>4</i> <i>4</i> <i>5</i>
<i>3.</i>	<i>CHAPTER-2</i>	<i>6</i>
	<ul style="list-style-type: none"><i>• INTRODUCTION</i><i>• DETECTION OF STARCH IN MILK</i><i>• DETECTION OF YELLOW DIE IN TURMERIC POWDER</i><i>• DETECTION OF VANASPATI GHEE IN DESHI GHEE</i><i>• DETECTION OF ARGEMONE OIL IN MUSTARD OIL</i><i>• DETECTION OF WASHING SODA, CHALK POWDER AND WATER INSOLUBLE SUBSTANCES IN SUGAR</i><i>• DETECTION OF RED COLOURED LEAD SALTS IN CHILLI POWDER</i><i>• DETECTION OF KHESARI DAL IN BESON</i>	<i>7</i> <i>7</i> <i>8</i> <i>9</i> <i>10</i> <i>11</i> <i>12</i> <i>13</i>
<i>4.</i>	<i>CHAPTER -3</i>	<i>14</i>
	<ul style="list-style-type: none"><i>• CONCLUSION</i><i>• STATISTICAL ANALYSIS OF THE PROJECT</i>	<i>15</i> <i>15</i>
<i>5.</i>	<i>REFERENCES</i>	<i>16</i>

S.T.S.N GOVT.DEGREE COLLEGE, KADIRI

DEPARTMENT OF HINDI

One Month Spoken-Hindi Certificate

Course (04.04.2022 to 07.05.2022)

Dt.04.04.22

Class & Group : 1st and 2nd Yr. BA/BCOM/BSC

Student's Participated : 28

Objective : To make student's learn Spoken-Hindi language.

Report : Hindi is National language of our Indian Country. So being of Andhra state, most of the students doesn't know Hindi language. So Hindi Department Conducted One month Spoken-Hindi Certificate Course for the benefit of the students from 04.04.22 to 07.05.22 .

Outcome : All Student's actively participated in the certificate course and they are able to speak and write Hindi.

Syllabus for the Certificate-course

1. Introduction of Hindi language
2. Varnamala
3. Barakhadi
4. Name of the Flowers
5. Name of the Vegetables
6. Name of the Fruits
7. Numbers(1to100)
8. Framing the sentences
9. Self introduction

Clinical Pathology

STSN GOVERNMENT DEGREE COLLEGE :: KADIRI
ANANTAPURAMU DISTRICT, AP.
DEPARTMENT OF ZOOLOGY
CERTIFICATE COURSE IN CLINICAL PATHOLOGY

Department of Zoology prestigiously introduced one month certificate course in clinical pathology during COVID-19 pandemic period. This course may be useful for students about practical aspects of clinical pathological techniques. The Student will get exposure of handling and processing pathology, clinical pathology, immunology, microbiology, biochemistry and transfusion medicine samples with knowledge. This course may be useful to the students in their daily life and health aspects.

Course Objectives

- Students will get knowledge of clinical pathology practices required for diagnosis of various ailments.
- Students will be capable of pursue clinical and laboratory based practical's.
- Students able to learn the hematological parameters and their standard values.
- Students can inculcate the importance of health and hygienic in their daily life.
- To give in-depth knowledge about blood parasites and causing diseases and remedies.
- Students can select suitable diagnostic tools / tests for particular disease.

Course Outcomes

After completion of the course student will be able to do:

- Apply knowledge and skills of clinical pathology.
- Identify pathological processes and correlating these with the clinical symptoms and signs.
- Demonstrate skills for effective communication of the diagnosis to the medical professionals as well as to patients.
- Verifying the accuracy of laboratory results.
- Develop awareness among all the people /society.
- Apply this knowledge to their future studies.

Aloe vera Gel Preparation



STSN Govt. Degree College, Kadiri
Anantapuram, Andhra Pradesh



Certificate Course in "Aloe vera Gel Preparation" Syllabus

Module 1: Introduction to *Aloe vera* Plant

- Introduction to the *Aloe vera* plant
- Classification and family - Key botanical features
- Geographical Distribution and Cultivation
- Native regions and global distribution
- Ideal climate conditions for cultivation

Module 2: Uses and Significance

- Traditional uses of *Aloe Vera*
- Nutritional Composition
- Analysis of key nutrients in *Aloe vera*
- Health benefits of Aloe Vera consumption
- Role of *Aloe vera* in wellness

Module 3: *Aloe vera* Cultivation and Harvesting

- Overview of different *Aloe vera* varieties
- Selecting suitable varieties for cultivation
- Propagation Techniques - Vegetative propagation techniques
- Crop Management - Watering and irrigation strategies
- Pest and disease management in *Aloe vera* cultivation

Module 4: Harvesting *Aloe vera* Leaves

- Determining the right time for harvesting
- Harvesting techniques to preserve plant health
- Post-harvest handling and transportation
- Cleaning and washing leaves
- Importance of hygiene in processing

Module 5: *Aloe vera* Gel Processing

- Gel Extraction Methods - Techniques for extracting high-quality gel
- Filtration and purification processes
- Filleting methods for gel extraction
- Natural preservatives for *Aloe vera* gel
- Blending *Aloe vera* with other ingredients

Certificate Course in "Aloe vera Gel Preparation"

Objective of the Course: The objective of the course is to provide participants with comprehensive knowledge and practical skills in the cultivation, processing, and quality control of Aloe vera gel.

Planning and Coordination: The team discussed the overall plan for the course, including lecture schedules, practical sessions, and field visits.

Setting Objectives and Expectations: Participants should gain a thorough understanding of Aloe vera cultivation, gel extraction, quality control measures, and business aspects. Emphasis on hands-on experience during practical sessions.

Responsibilities: Responsibilities were assigned to team members for various aspects of the course, including lectures, practical sessions, and administrative tasks.

Schedule and Dates: The course will run from 16.12.2020 to 08.01.2021, with specific modules and activities planned for each day.

Course Modules: The course modules and topics was discussed and finalized.

Materials and Resources: Ensuring availability of required materials, including Aloe vera plants, processing equipment, and documentation.

Evaluation and Certification: The team discussed the evaluation criteria for participants and the certification process upon completion of the course.

S. Sathya

PRINCIPAL
BTSN Govt. DEGREE COLLEGE
KADIRI - 515 591

Sri Sathya (Principal)

K. Sree Devi

Dr. K. Sreedevi
HOD, Dept. of Botany
BTSN GDC, Kadiri



Basics in computers - M.S Office

Course Description and objectives

Course Description:

The course introduces you to fundamental 'Computer Literacy' concepts. You will learn to use Windows 7 on the PC-compatible computers as well as MS Office 2013 which has the following applications: word processing program (MS Word), a spreadsheet program (MS Excel), a presentation program (MS PowerPoint) and Database (MS Access). Windows 7 will be used to illustrate operating system concepts and disk organization. This class is intended for students requiring 'hands-on' knowledge of computer applications. This class will be accepted as a prerequisite for all advanced applications classes listed under Computer Science and Computer Application.

Course Objectives:

- ✓ Give students an in-depth understanding of why computers are essential components in business, education and society.
- ✓ Introduce the fundamentals of computing devices and reinforce computer vocabulary, particularly with respect to personal use of computer hardware and software, the Internet, networking and mobile computing.
- ✓ Provide hands-on use of Microsoft Office 2013 applications Word, Excel, Access and PowerPoint. Completion of the assignments will result in MS Office applications knowledge and skills.
- ✓ Provide foundational or "computer literacy" curriculum that prepares students for life-long learning of computer concepts and skills.
- ✓ Completion of course fulfills pre-requisite to enroll in other computer science courses required for a certificate, or to qualify for high-demand employment.

Student learning outcome:

Upon completion of this course, the student will be able apply technical knowledge and perform specific technical skills, including:

- Describe the usage of computers and why computers are essential components in business and society.
- Utilize the Internet Web resources and evaluate on-line e-business system.
- Solve common business problems using appropriate Information Technology applications and systems.
- Identify categories of programs, system software and applications. Organize and work with files and folders.
- Describe various types of networks network standards and communication software.

International Relations

STSN GOVERNMENT DEGREE COLLEGE, KADIRI DEPARTMENT OF POLITICAL SCIENCE

SUMMARY OF THE CERTIFICATE COURSE

The Department of Political Science was started Certificate Course on 05th December 2019 with the duration of 30 days for 30 hours from 05th December 2019. To 05th January 2020, Dr. S. Smitha Principal of the STSN Govt. Degree College inaugurating the course and explain the importance of International Relations present scenario. The class was conducted from 4 PM to 5 PM in working days. The valedictory function was held on 08th January 2020. The Principal distributed course completion certificate and appreciated the faculty for successful completion of course. This course very useful for B.A students to know the basics of International Relations and its relation with other sciences and understanding the exploration, excavation methods and conservation techniques. 26 students completed the course and received the certificate course in International Relations for the Academic year 2019-20.

Outcomes:

International Relations

Course Objectives and Outcomes:

- Effectively apply reading, writing, critical thinking, and analytical skills to address significant issues in the natural and human world based on articulating one's identity in a global context.
- Evaluate and apply diverse perspectives to complex subjects within natural and human systems in the face of multiple and even conflicting positions (i.e. cultural, disciplinary, and ethical.)
- Describe the impact of international events and systems at the regional, national, and local levels in at least one major area of the world.
- Adapt and apply a deep understanding of multiple worldviews, experiences, and power structures while initiating meaningful interaction with other cultures to address significant global problems.
- Form the tools to take informed and responsible action to address ethical, social, and environmental challenges in global systems and evaluates the local and broader consequences of individual and collective interventions.

- Use deep knowledge of the historic and contemporary role and differential effects of human organizations and actions on global systems to develop and advocate for informed, appropriate action to solve complex problems in the human and natural worlds.
- Blend knowledge, skills, and analytical reasoning skills to implement sophisticated, appropriate, and workable solutions to address complex global problems at multiple levels from the workplace through the global sphere.
- Explore career paths in International Studies and International Affairs related fields at the bachelors level and hold entry-level skills for such positions; differentiate career paths in International Studies and International Affairs related fields at the graduate level.
- Demonstrate a basic command of one professional development area.
- Apply interdisciplinary and multidisciplinary approaches, including foreign language skills and international experience, to critical analysis of issues of international, comparative, and/or global significance.

K. Manoj

Signature of the Lecturer
LECTURER IN
STSN Govt DEGREE COLLEGE
KADIRI - 515 591
Sri Sathya Sai (Dist).



S. Sathya Sai

Signature of the Principal
PRINCIPAL
STSN Govt. DEGREE COLLEGE
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Sri Sathya Sai (Dist).

Pre-Proto History

Report of the Certificate Course

The Department of History at STSN GDC Kadiri conducted a certificate course on Pre and Proto History with the participation of 35 registered students. The program aimed to explore the origins of human civilization, covering the period before written records and the transitional phase into recorded history.

Objectives and Aims: The primary objectives were to provide students with a comprehensive understanding of prehistoric and protohistoric periods, examining the evolution of human societies, cultural developments, and technological advancements. The course aimed to foster critical thinking, analytical skills, and a nuanced appreciation of archaeological and anthropological methods.

Outcomes:

1. **Knowledge Enhancement:** Participants gained a solid foundation in the pre and protohistoric periods, encompassing topics such as the Paleolithic, Neolithic, and Bronze Age, along with the emergence of early civilizations.
2. **Analytical Skills:** The syllabus focused on developing students' analytical skills to interpret archaeological evidence, allowing them to draw insights into early human behavior, societal structures, and technological innovations.
3. **Research Proficiency:** The course encouraged students to delve into scholarly research, exploring academic literature, and engaging with primary and secondary sources to deepen their understanding of pre and protohistory.
4. **Effective Communication:** Through discussions and presentations, students honed their communication skills, articulating their understanding of complex historical topics and engaging in constructive academic discourse.

Procedures:

1. **Lectures and Seminars:** The course utilized a combination of lectures and seminars to convey foundational knowledge and encourage interactive discussions among participants.
2. **Field Visits:** Practical exposure was facilitated through field visits to archaeological sites, museums, and research centers, offering students a hands-on experience with historical artifacts and research methodologies.
3. **Research Projects:** Participants engaged in individual or group research projects, allowing them to apply theoretical knowledge to real-world scenarios and develop research and analytical skills.
4. **Assessment:** Regular assessments, examinations, and presentations were used to evaluate students' comprehension and application of the course content.

In summary, the Pre and Proto History certificate course at STSN GDC Kadiri successfully achieved its objectives by providing students with a solid understanding of early human history, fostering critical thinking skills, and promoting engagement with historical research methodologies. The diverse range of procedures employed ensured a comprehensive and immersive learning experience for the registered 35 students.

e-Governance

STSN GOVT DEGREE COLLEGE, KADIRI

DEPARTMENT OF POLITICAL SCIENCE

Short term course on Political Science

Objectives of E-Governance

E-Governance

- e-Governance can be defined as the application of information and communication technology
- (ICT) for providing government services, exchange of information, transactions, integration of previously existing services and information portals.
- The "e" in e-Governance stands for 'electronic' The Council of Europe referred to e-Governance as:
- The use of electronic technologies in three areas of public action:
- relations between the public authorities and civil society the functioning of the public authorities at all stages of the democratic process (electronic democracy)
- the provision of public services (electronic public services)
- Reasons for Opting e-Governance
- Governance per se has become very complex
- Increase in citizens' expectations from the government
- Different Connotations of e-Governance
- **e-Administration:** The use of ICTs to modernize the state; the creation of data repositories for
- Management Information System (MIS) and computerization of records (land, health etc).
- **e-Services:** The emphasis here is to bring the state closer to the citizens.
- For Examples: Provision of online services.
- e-administration and e-services together constitute what is largely termed as e-government.
- **e-Governance:** The use of IT to improve the ability of the government to address the needs of society.
- It includes the publishing of policy and program-related information to

transact with citizens.


- It extends beyond the provision of online services and covers the use of IT for strategic planning and reaching the development goals of the government.
- **e-Democracy:** The use of IT to facilitate the ability of all sections of society to participate in the governance of the state.
- Emphasis is on bringing transparency, accountability, and participation of people.
- It includes online disclosures of policies, online grievance redressal, e-referendums etc.

Origin

- e-Governance originated in India during the 1970s with a focus on in-house government applications in the areas of defence, economic monitoring, planning and deployment of ICT to manage data intensive functions related to elections, census, tax administration etc.

Objectives

- Better service delivery to citizens. Ushering in transparency and accountability.
- Empowering people through information.
- Improve efficiency within Government i.e between centre-state or inter-states.
- Improve interface with business and industry.
- Pillars of e-Governance
 - People
 - Process
 - Technology
 - Resources
- Types of Interaction in e-Governance
 - G2G i.e. Government to Government
 - G2C i.e. Government to Citizen
 - G2B i.e. Government to Business
 - G2E i.e. Government to Employees


Signature of the Lecturer