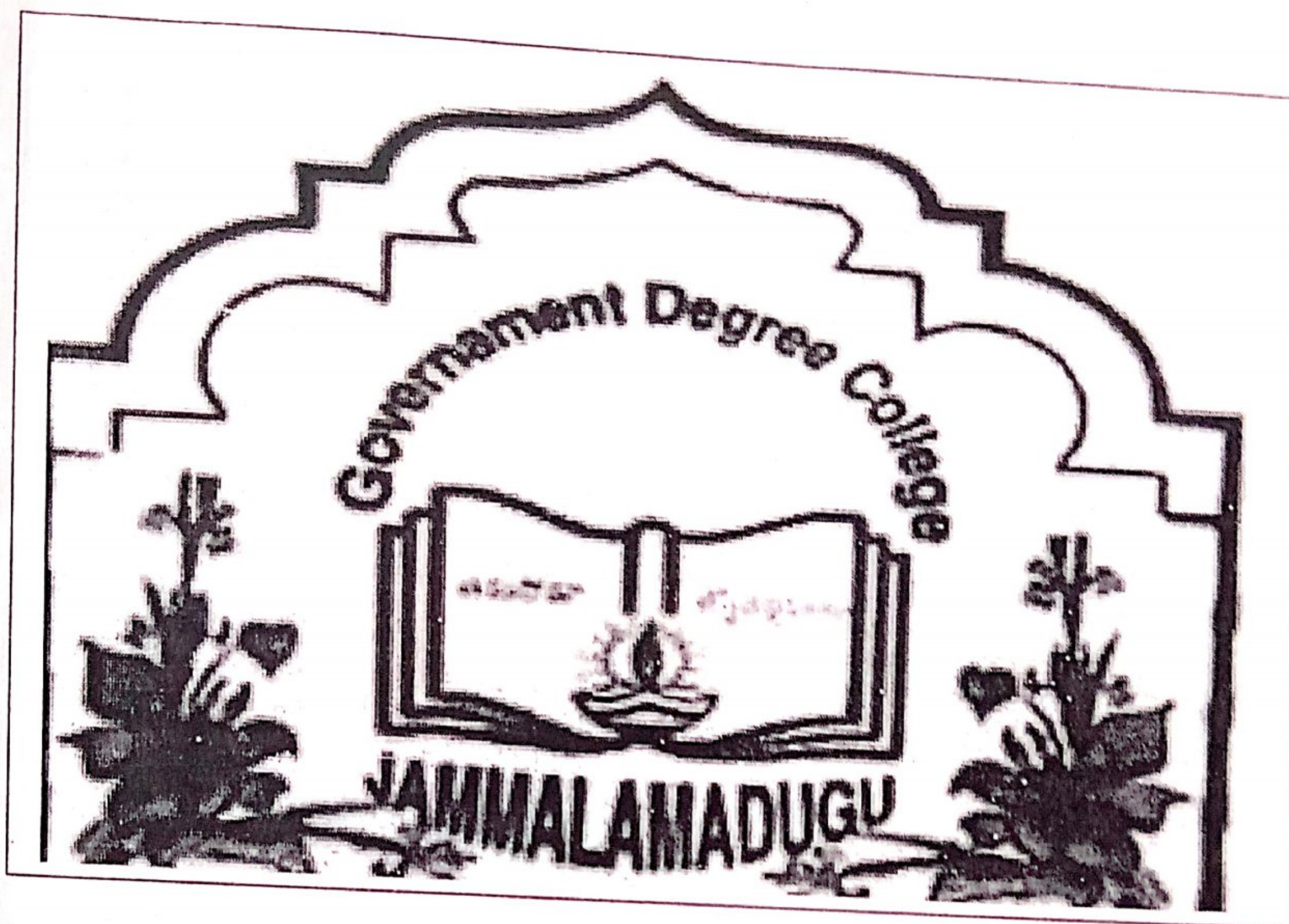


ASMPs

GOVERNMENT DEGREE COLLEGE
JAMMALAMADUGU KADAPA DISTRICT



CERTIFICATE COURSE
ON

Remedial English Grammar

DEPARTMENT OF ENGLISH

2017-2018

SYLLABUS OF THE COURSE

UNIT 1

:

Parts of Speech

UNIT 2

:

Articles, Propositions, Degrees of Comparison, Tenses, Voice.

UNIT 3

:

Speech, Question Tags and Synthesis of Sentences

UNIT 4

:

Correction of Sentences, Transcoding Information,

Phonetics

UNIT 5

:

Comprehension, Vocabulary, Spellings, Silent Letters and

Missing Dialogues

Praveen

Principal
Government Degree College
JAMMALAMADUGU,
Kadapa (Dt.) A.P

M. Subbana
Lecturer in English

Govt. DEGREE COLLEGE
JAMMALAMADUGU. Kadapa (Dt)



Learning outcomes

After studying this course, students should be able to:

- understand that grammar can be seen as a flexible and useful tool for meaning making
- understand how grammar and vocabulary choices together create a range of different meanings
- see how an awareness of grammar as a tool for meaning-making can be applied to a range of real world situations in everyday life and professional practice.
- Communicate and convey effectively.
- Students performance in the competitive world can be seen purposeful.
- Competitive world requires skilled participants and these remedial classes produces suitable and marketable candidates..

CERTIFICATE COURSE

ON

MATH'S SKILLS



GOVT.DEGREE COLLEGE

JAMMALAMADUGU

KADAPA DISTRICT

DEPARTMENT OF MATHEMATICS

2017-2018



Course Content

1. Numbers
2. HCF and LCM
3. Decimal Fractions
4. Square and Cube roots
5. Average
6. Problems on Numbers
7. Problems on a Ages
8. Profit and Loss
9. Ratio and Proportion
10. Partnership
11. Time and work
12. Time and Distance



Out Comes of the Certificate Course

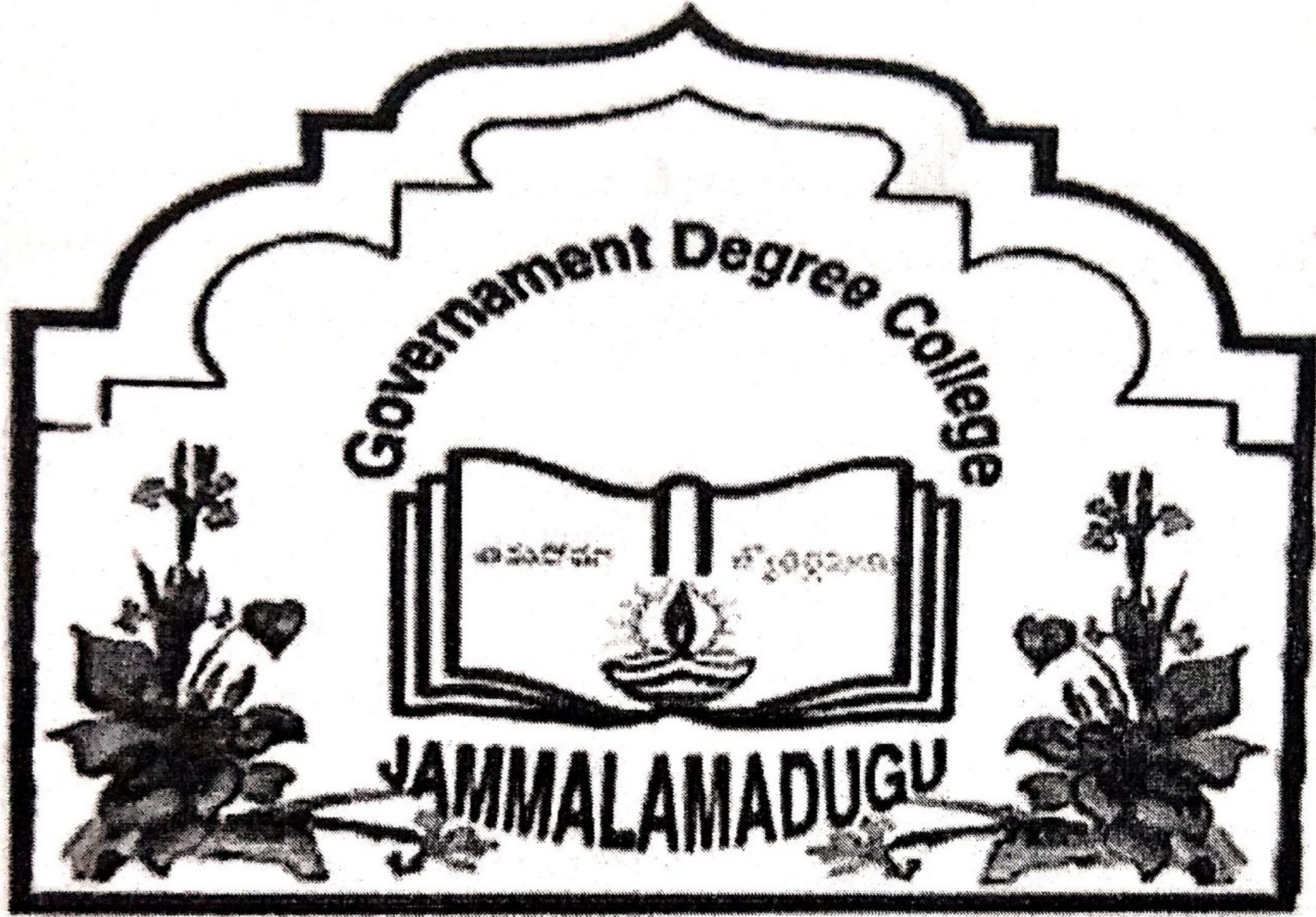
Certificate courses provide individuals with valuable skills and knowledge in a specific area of study. Some potential outcomes of completing a certificate course may include:

1. Improved job prospects: Certificate courses can enhance your resume and make you more competitive in the job market.
2. Skill development: Certificate courses help you gain practical skills and knowledge in a specialized field.
3. Career advancement: Completing a certificate course may qualify you for promotions or higher-paying positions within your current job.
4. Personal growth: Certificate courses can help you expand your horizons, learn new things, and stay current in your field.

Overall, completing a certificate course can have a positive impact on your career and personal development.

GOVT.DEGREE COLLEGE, JAMMALAMADUGU

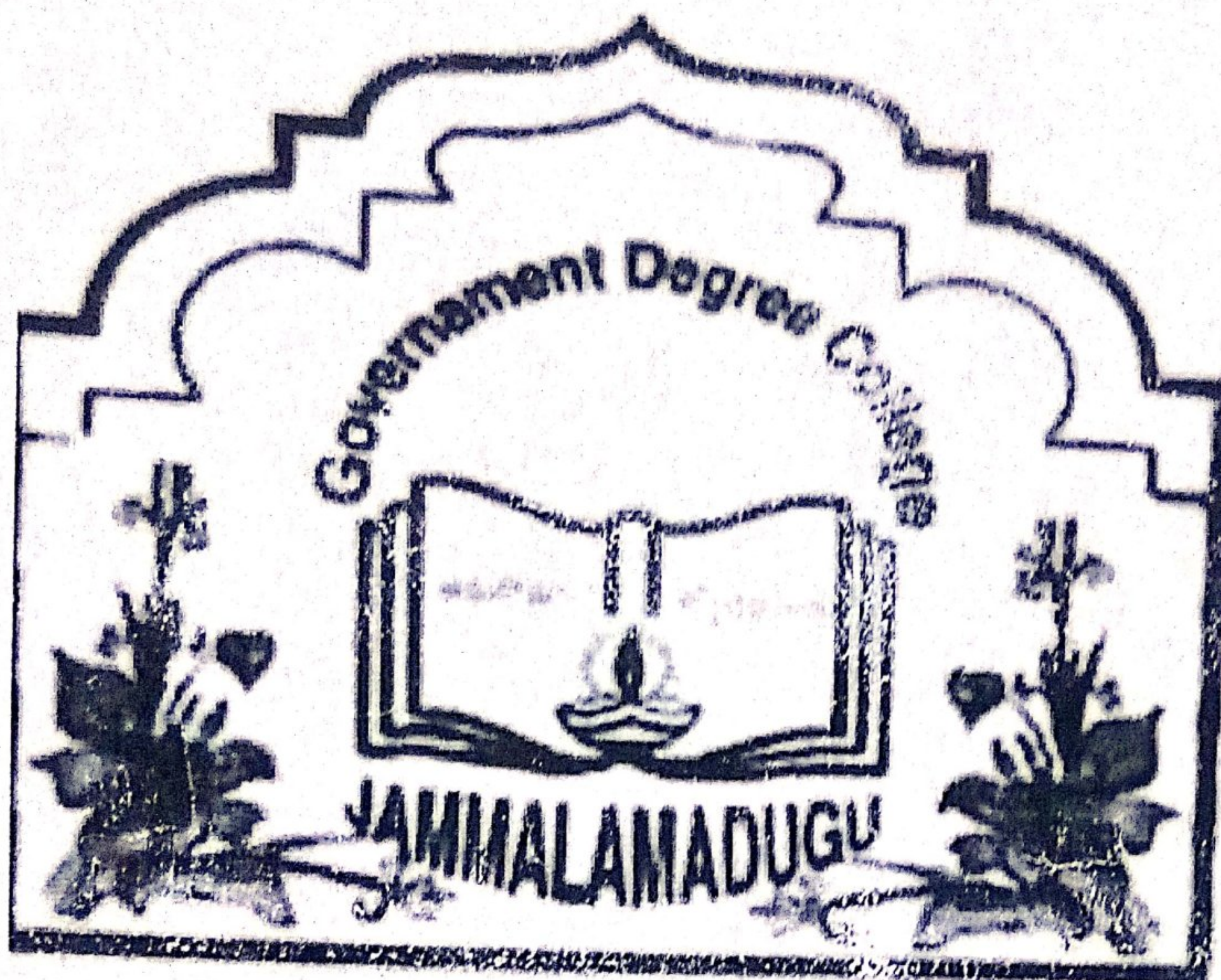
TOPIC - JURNALISTIC SKILLS



**Department of Telugu
CERTIFICATE COURSE**

By
Dept. of Telugu
2018-19

GOVT DEGREE COLLEGE
JAMMALAMADUGU



DEPARTMENT OF COMMERCE

Certificate Course in Tally

11-08-2019 TO 12-09-2019

Syllabus of the Certificate Course ----- Tally

- | | |
|--|-------|
| • Introduction to Tally | 2hrs |
| • Features Of Tally | 4hrs |
| • Enhancement in Tally | 4hrs |
| • Instalation procedure of Tally | 3hrs |
| • Componnets of Tally | 3hrs |
| • Stock and Godown in tally | 4hrs |
| • Creating and displaying a Stock Group | 3hrs |
| Altering and Creating Displaying single stock item | 3hrs |
| • Creating Multiple Go downs | 4hrs |
| • Total Hours | 30hrs |

Outcomes of the certificate course:

- ❖ Tally is useful for processing data .
- ❖ Tally is useful for organizing of Accounting data .
- ❖ Hand practice:CGST-SGST-IGST
- ❖ Entry of tax surcharges and also about preparation of balance sheet .
- ❖ To know the salient features and assessments .
- ❖ To understand the results of tally.

**GOVERNMENT DEGREE COLLEGE, JAMMALAMADUGU.
DEPARTMENT OF CHEMISTRY**

CERTIFICATE COURSE

2018-2019

&&&

*Separation techniques and identification of organic molecules by
spectroscopy*

&&&

DURGA.GANESH

LECTURER IN CHEMISTRY

GDC, JAMMALAMADUGU



GOVT DEGREE COLLEGE, JAMMALAMADUGU
DEPARTMENT OF CHEMISTRY
CERTIFICATE COURSE : 2018- 19
SEPARATION TECHNIQUES & IDENTIFICATION OF ORGANIC MOLECULES BY
SPECTROSCOPY

SYLLABUS

OBJECTIVES:

1. Gains knowledge in Spectroscopic techniques.
2. Knowledge of Chromatography techniques.
3. To acquire Analytical skills. to become a chemist in chemical industries.
4. Applications of interpretation of spectra.

CHAPTER-I:

1. Paper chromatography- Principle, experimental procedure, ascending, descending, radial and two dimensional, applications.
2. Column chromatography-Principle, classification, experimental procedure, applications.
3. HPLC-Principle, Instrumentation-block diagram and applications.

CHAPTER-II:

Application of Spectroscopy to Simple Organic Molecules

Application of visible, ultraviolet and Infrared spectroscopy in organic molecules.
Application of electronic spectroscopy and Woodward rules for calculating λ_{max} of conjugated dienes and α, β - unsaturated compounds.

Infrared radiation and types of molecular vibrations, functional group and fingerprint region.
IR spectra of alkanes, alkenes and simple alcohols (inter and intramolecular hydrogen bonding), aldehydes, ketones, carboxylic acids.

CHAPTER-III

PROTON MAGNETIC RESONANCE SPECTROSCOPY ($^1\text{H-NMR}$)

Principles of nuclear magnetic resonance, equivalent and non-equivalent protons, position of signals. Chemical shift, NMR splitting of signals - spin-spin coupling, coupling constants.
Applications of NMR with suitable examples - ethyl bromide, ethanol, acetaldehyde, 1,1,2-tribromo ethane and other examples.

CHAPTER-IV

MASS SPECTROSCOPY



Principle, fragmentation of molecules, McLafferty rearrangements. Base peak, meta stable ion
Applications of mass spectroscopy toluene, neo pentane, alcohols, carbonyl compounds.

Reference Books:

- Organic spectroscopy by Kalsi
- Unified chemistry
- Spectroscopy by Y.R.Sharma
- Instrumental methods of analysis by chatwal anand.

GOVT DEGREE COLLEGE, JAMMALAMADUGU

DEPARTMENT OF CHEMISTRY

CERTIFICATE COURSE : 2018- 19

CHEMISTRY

WEIGHTAGE TO CONTENT

UNIT	ESSAY QUESTIONS	VERY SHORT QUESTIONS
UNIT-I	1	2
UNIT-II	1	2
UNIT-III	1	2
UNIT-IV	1	2

Course Learning Outcomes:

1. At the end of course student will be able to Recognize spectroscopy in microwave, Rotational spectra of rigid diatomic molecules, selection rules, interaction of spectral lines CO 2
2. Study of Vibrating diatomic molecule, energy levels of a diatomic molecule, simple harmonic and anharmonic oscillator, Scattering of light and Raman Spectrum. rotational and vibrational Raman Spectra
- 3 : Learn Electronic spectra of diatomic molecules Born-oppenheimer approximation.
- 4 : Make Students aware of the fine structure of ESR absorption, Hyperfine structure, Double resonance in ESR, Techniques of ESR spectroscopy.
- 5 : Understand Principles and Applications of Mossbauer spectroscopy CO 6 : Understand concepts of Nuclear and Radiation Chemistry. Applications of Radioisotopes Course Content:

ADD ON COURSE
ON
ORNAMENTAL FISH FARMING



GOVT.DEGREE COLLEGE

JAMMALAMADUGU

KADAPA DISTRICT

DEPARTMENT OF ZOOLOGY

2018-2019

GOVT.DEGREE COLLEGE,JAMMALAMADUGU
YSR DISTRICT
DEPARTMENT OF ZOOLOGY
SUBJECT RELATED CERTIFICATE COURSE
"Ornamental Fish Farming"
(ACADEMIC YEAR 2018-19)

Objective of the course:

The course will deal, especially limited section of specific topics included in the B.Sc., curriculum. Topics to be discussed are those which involve basic concepts of Ornamental Fish Farming, and which therefore have wide applicability. These are also the topics, that are conceptual the deepest, and must therefore be understood as clearly as possible. This will be the overall objective of the courses.

Course duration: 30 days

Level : UG

Course type : Scheduled

Certification : Certification will be given on the continuous comprehensive evaluation of student's performance in the learning activities.

SYLLABUS OF THE COURSE

- UNIT 1 (10 DAYS) :
Introduction to Ornamental Fishes
- UNIT 2 (10 DAYS) :
Introduction to Aquarium plants and its propagation techniques
- UNIT 3 (10 DAYS) :
Fish Breeding & health Management

Out Comes of the Certificate Course

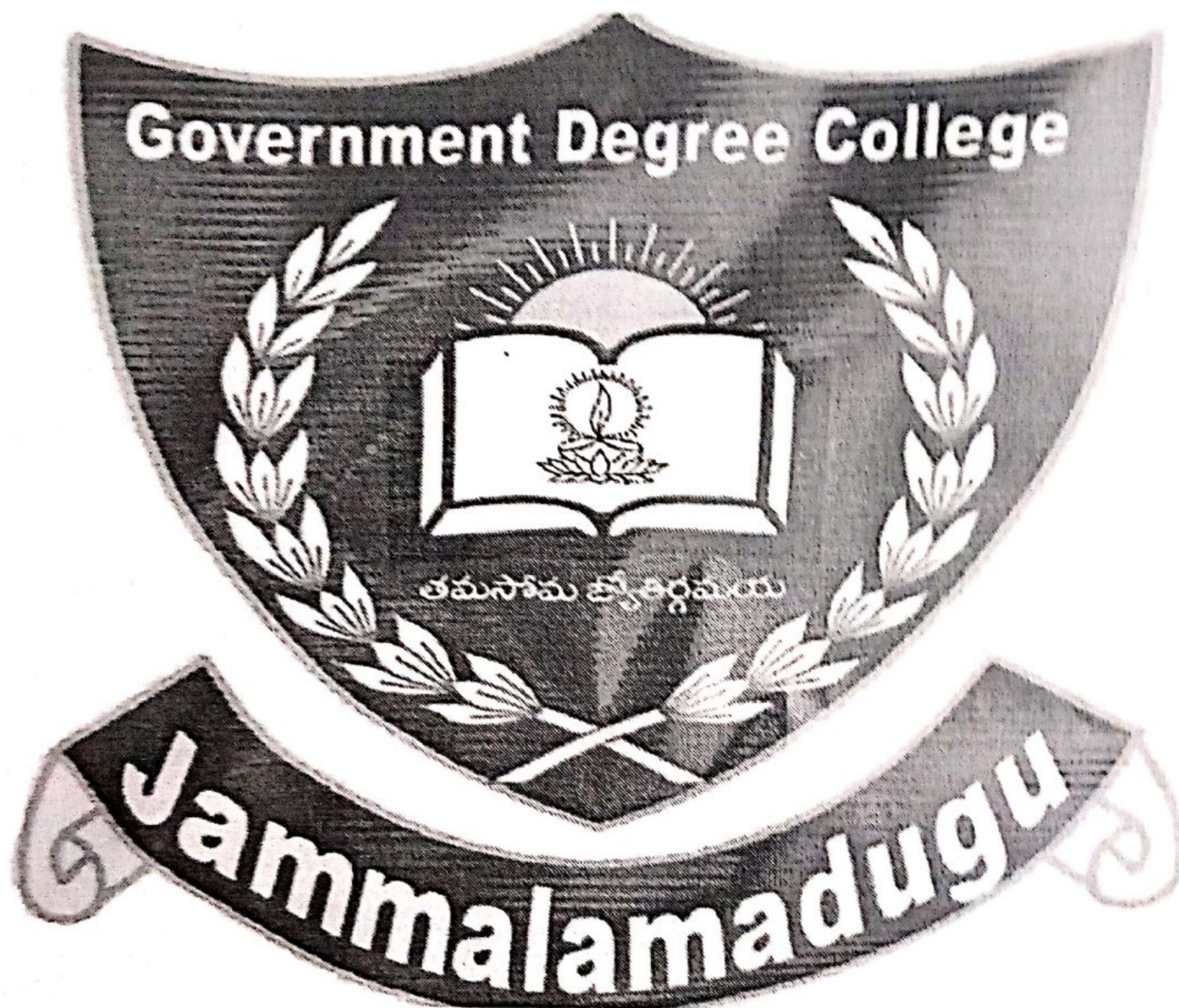
Certificate courses provide individuals with valuable skills and knowledge in a specific area of study. Some potential outcomes of completing a certificate course may include:

1. **Improved job prospects:** Certificate courses can enhance your resume and make you more competitive in the job market.
2. **Skill development:** Certificate courses help you gain practical skills and knowledge in a specialized field.
3. **Career advancement:** Completing a certificate course may qualify you for promotions or higher-paying positions within your current job.
4. **Personal growth:** Certificate courses can help you expand your horizons, learn new things, and stay current in your field.

Overall, completing a certificate course can have a positive impact on your career and personal development.

**ADD ON COURSE
ON**

Mushroom Cultivation



GOVT.DEGREE COLLEGE

JAMMALAMADUGU.

KADAPA DISTRICT

DEPARTMENT OF BOTANY

2018-2019



Certificate course in mushroom cultivation

Syllabus

Unit I:

Introduction, history: (10 hrs) Introduction - history - scope of edible mushroom cultivation, Types of edible mushrooms available in India –Volvariellavolvacea, Pleurotuscitrinopileatus, Agaricusbisporus. Identification of differentiated edible and poisonous mushrooms. Nutritional and medicinal value of edible mushrooms.

Unit II:

Cultivation Technology: (10hrs) Cultivation of Button, Oyster and Paddy straw Mushrooms: Collection of raw materials, compost & composting, spawn & spawning, casing & case run, cropping, picking & packing, marketing.

Unit III:

Storage, Value addition and marketing: (10hrs) Short- term storage (Refrigeration - up to 24 hours) Long term Storage (canning, pickles, papads), drying, storage in salt solutions. Types of foods prepared (value added products) from mushrooms; soup, cutlet omlette, samosa, pickles and curry. Research Centres -National level and Regional level. Cost benefit ratio - Marketing in India and abroad, Export Value

Learning Course Outcomes:

- Students can start small scale industry of Mushroom cultivation.
- Students study the morphology and types of Mushrooms.
- They are aware of the identification of edible and poisonous Mushrooms
- Students will be able produce spawn on their own.
- Learned the prospects and scope of mushroom cultivation in small scale industry.
- Studied the technique of Mushroom cultivation.
- Understood the Diseases. Post harvesting techniques of Mushrooms.

**GOVERNMENT DEGREE COLLEGE,
JAMMALAMADUGU**

DEPARTMENT OF PHYSICS

ACADEMIC YEAR 2018-19

CERTIFICATE COURSE

ON

DIGITAL ELECTRONICS AND MICROPROCESSORS



SYLLABUS (w.e.f: 2018-19)

DIGITAL ELECTRONICS AND MICROPROCESSORS

UNIT- I:

Combinational Logic Circuits: Simplification of Boolean Expressions: Algebraic Method, Karnaugh Map Method, Encoder, Decoder, Multiplexer, Demultiplexers. Design of Adders and Subtractors, IC Parallel Adder. Applications of Boolean Algebra: Magnitude Comparator, Parity Generator, Checker, Code Converter, Seven-Segment Decoder/ Driver Display.

UNIT – II:

Sequential Logic Circuits: Flip-Flops: NAND Latch, NOR Latch, Clocked S-C Flip-Flop, J-K Flip-Flop, D Flip-Flop, Asynchronous Inputs. Counters: Asynchronous Counters (Ripple), Counters with MOD Number $< 2^N$, Asynchronous Down Counter, Synchronous Counters, Up-Down Counter, Registers: Shift Register, Integrated Circuit Registers, Parallel In Parallel Out (PIPO), SISO, SIPO, PISO. Applications of Counters: Frequency Counter. A/D and D/A Converter Circuits: D/A Converter, Linear Weighted and Ladder Type, An Integrated Circuit DAC; Analog-to-Digital Conversion, Digital Ramp ADC, Successive Approximation Method, Sample and Hold Circuit, Digital Voltmeter.

UNIT – III:

Intel 8085 Microprocessor-Architecture, Functional Diagram, Pin Description, Timing Diagram of Read Cycle, Timing Diagram of Write Cycle. Programming the 8085 Microprocessor: Addressing Methods, Instruction Set, Assembly Language Programming. Examples of Assembly Language Programming: Addition/Subtraction of two 8-bit/16-bit Numbers, Addition of two Decimal Numbers, Sum of Series of 8-bit numbers, Largest element in the Array, Multiple byte Addition, Delay Sub-Routine.

Text Books:

1. "Digital Systems – Principles and Applications" –Ronald. J. Tocci,
2. "Fundamentals of Microprocessors & Microcomputers" - B. RAM.

Reference Books:

1. Introduction to Microprocessors for Engineers and Scientists" - P. K. Ghosh and P. R. Sridhar
2. Microprocessor Architecture, Programming and Applications with the 8085 /8080A" Ramesh. S. Gaonkar.

Course Learning Outcomes:

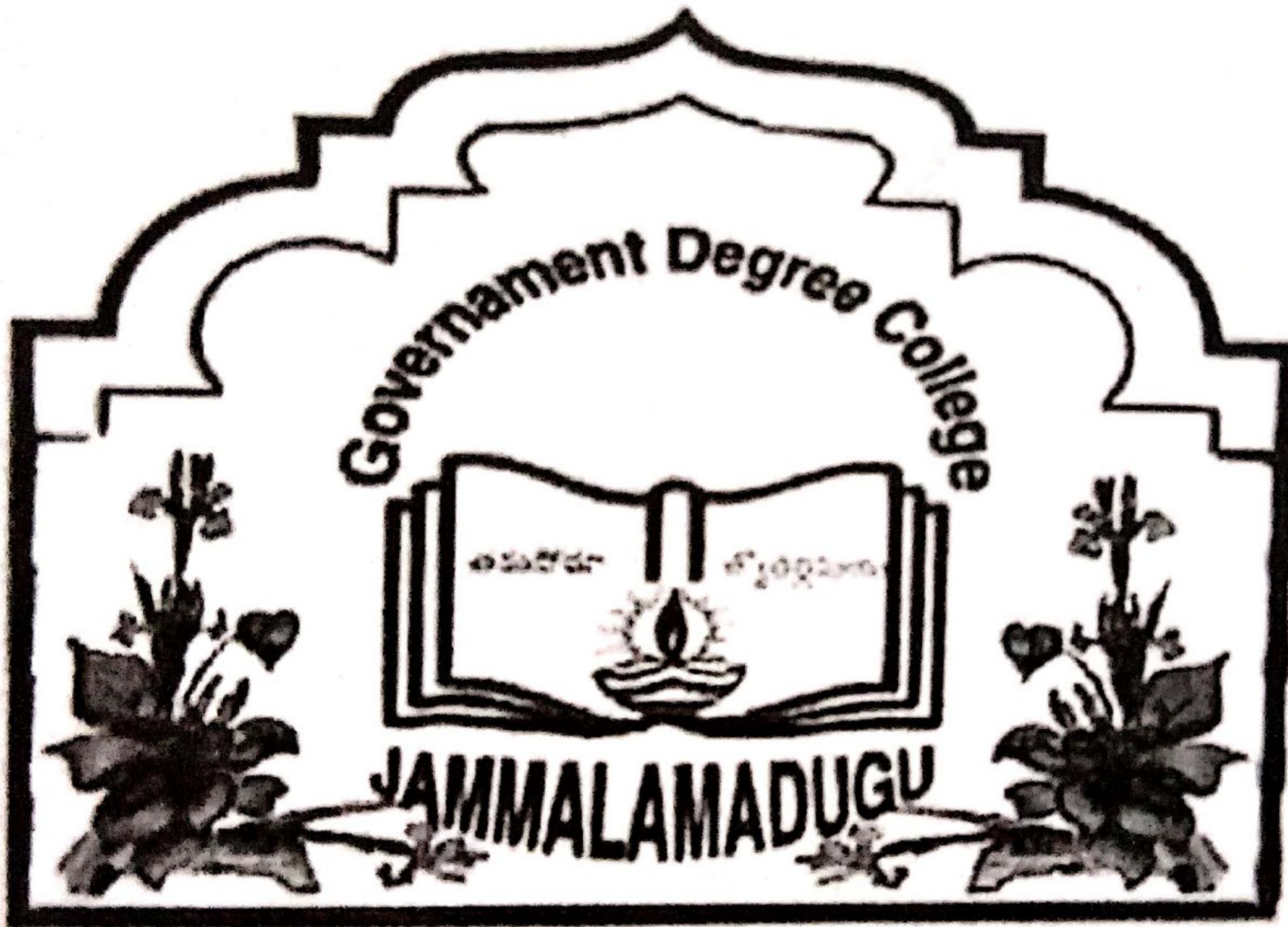
At the end of the course, the student is expected to assimilate the following and possesses basic knowledge of the following:

- * Learning the Combinational Logic Circuits, Multiplexer and Demultiplexer
- * Learning about the Sequential Logic circuits- Flip-Flops, Registers and Counters
- * Knowledge about the Microprocessor and its Architecture

GOVT. DEGREE COLLEGE, JAMMALAMADUGU

**Department of Telugu
CERTIFICATE COURSE**

TOPIC: T V RACHANA



**ACADEMIC YEAR
2020-21**



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GOVT. DEGREE COLLEGE, JAMMALAMADUGU
DEPT. OF TELUGU

Certificate Course - 2020-21
TELUGU

TV RACHANA

Marks: 50

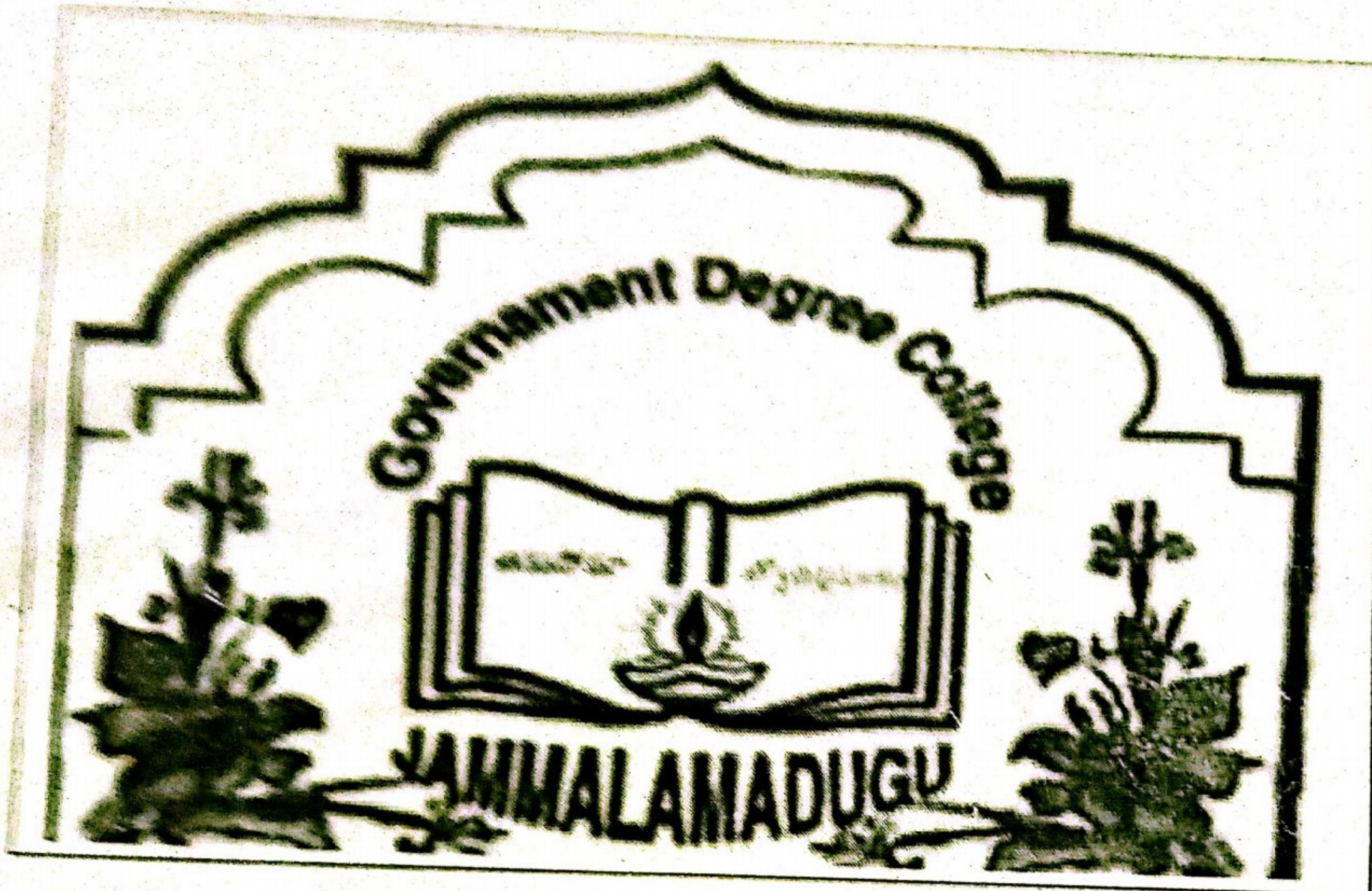
Time: 2 Hrs

అభ్యసన ఫలితాలు **[OUT COMES]**:-

1. టెలివిజన్ రంగానికి సంబంధించిన విషయ పరిజ్ఞానాన్ని పొందుతారు.
2. టీవీ కార్యక్రమాల వైవిధ్యాన్ని తెలుసుకుంటారు.
3. స్క్రిప్టు రచన, వార్తా కథనాల రచన, దారావాహికలకు సంబంధించిన సన్నివేశ రూపకల్పన, భాష, యాస, ఉద్ఘాటన మొదలైన అంశాలలో నైపుణ్యాలను సాధిస్తారు.
4. వివిధ టెలివిజన్ కార్యక్రమాల నిర్వహణ కూర్పు, తదితర అంశాలను గురించి తెలుసుకుంటారు.
5. పుస్తక సమీక్షలు చేయడం, రాజకీయ వార్తా విశ్లేషణలు చేయడం, ఇంటర్వ్యూలు చేయడం మొదలైన అంశాలలో తర్ఫీదు పాడడం, తద్వారా అభివ్యక్తి నైపుణ్యాలను పెంచుకోవడంతో పాటు సామాజిక, సాంస్కృతిక, రాజకీయ చైతన్యాన్ని కూడా పొందుతారు.



**CERTIFICATE COURSE
ON
Economy Tourism in India**



**GOVT.DEGREE COLLEGE
JAMMALAMADUGU
KADAPA DISTRICT
DEPARTMENT OF ECONOMICS**

2020-2021



GOVT. DEGREE COLLEGE, JAMMALAMADUGU

KADAPA DIST
DEPARTMENT OF
ECONOMICS

SUBJECT RELATED CERTIFICATE COURSE

"Economy Tourism In India

(ACADEMIC YEAR 2020-21)

Objective of the course :

The course will deal , especially limited section of specific topics included in the 3rd B.A.,H.E.P curriculum. Topics to be discussed are those which involve basic concepts of Economy Tourism in India ,and which therefore have wide applicability . These are also the topics, that are conceptual the deepest, and must therefore be understood as clearly as possible . This will be the overall objective of the courses.

Course duration : 30 days

Level : UG

Course type : Scheduled

Certification : Certification will be given on the continuous comprehensive evaluation of students performance in the learning activities.

SYLLABUS OF THE COURSE

UNIT 1 (3 DAYS) :

Tourism in India Introduction : Tourism-what is Economy Tourism in India ?-Characteristics of tourist places- guidance in tourism-meaning of guidance-types of your guidance-g Government/department Regulation.

UNIT 2 (3 DAYS) :



Tourists-Guidance

types of guides characteristics of a guide duties and

Responsibilities of a guide the guiding techniques

Leadership and social skills-presentation and communication

Skills-working under difficult circumstances-Relationship with

Fellow guides and officials.

UNIT 3 (3DAYS)

Guest relations in tourism: Guest relationship management-personal

and official- arrangement to tourists-

handling Guests with special

needs/different abilities-personal Hygiene

and grooming-checklist-code of conduct.

GOVERNMENT DEGREE COLLEGE

JAMMALAMADUGU

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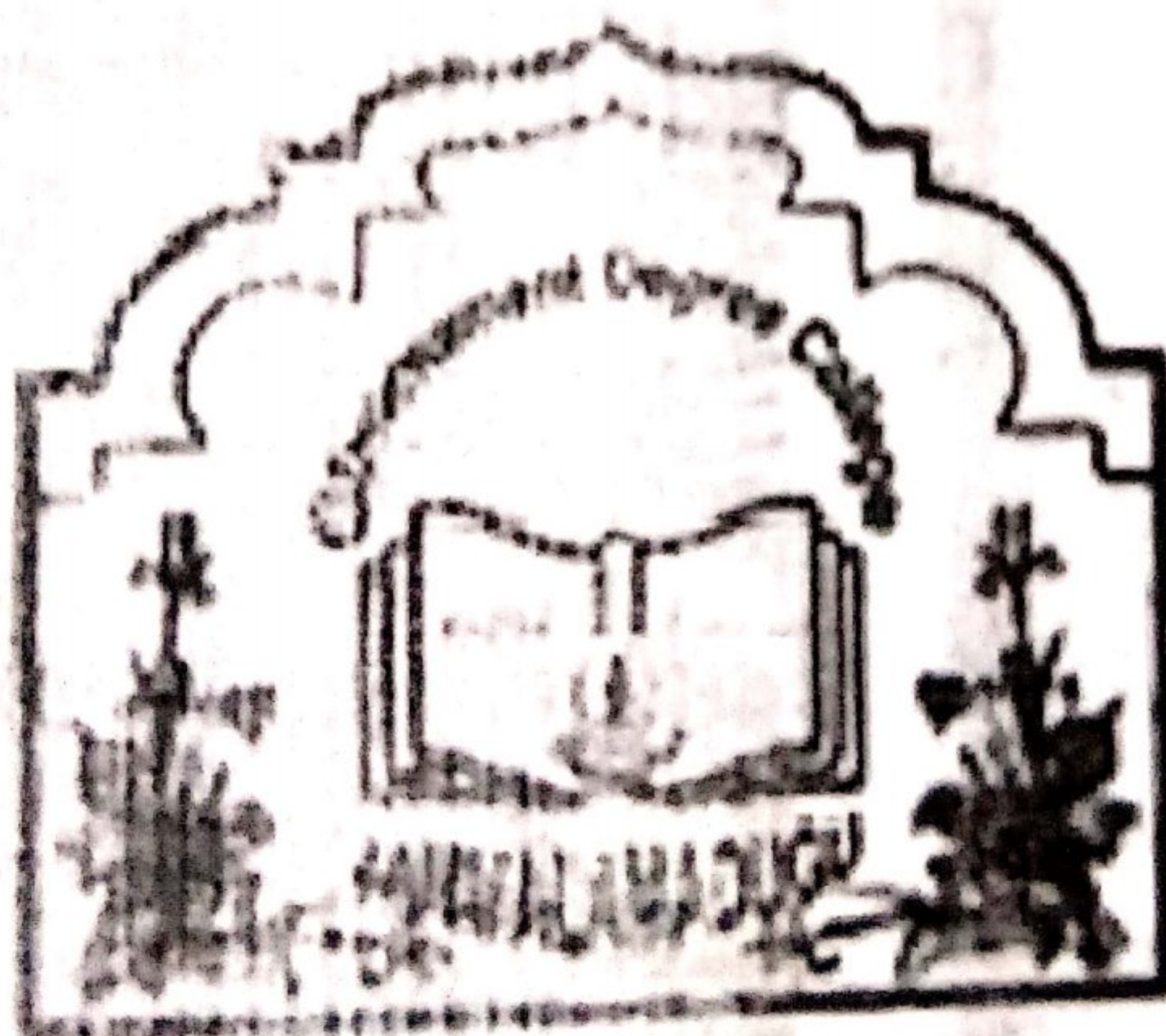
DEPARTMENT OF CHEMISTRY

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CERTIFICATE COURSE IN CHEMISTRY

“Basic Analytical Techniques”

2020-2021



GOVT DEGREE COLLEGE, JAMMALAMADUGU
DEPARTMENT OF CHEMISTRY
CERTIFICATE COURSE-2020-21
BASIC ANALYTICAL TECHNIQUES
SYLLABUS

OBJECTIVES:

1. Gains knowledge in Spectroscopic techniques.
2. Knowledge of Chromatography techniques.
3. To acquire Analytical skills, to become a chemist in chemical industries.
4. Applications of interpretation of spectra.

CHAPTER-I

QUANTITATIVE ANALYSIS

Introduction of solutions, molarity, normality, molality, mole fractions, PPM, PERCENTAGE composition, conversions between mole fraction, molarity and normality, problems, definition of PH buffer solutions, Acid base indicators problems

CHAPTER-II

PROTON MAGNETIC RESONANCE SPECTROSCOPY (¹H-NMR)

Principles of nuclear magnetic resonance, equivalent and non-equivalent protons, position of signals. Chemical shift, NMR splitting of signals - spin-spin coupling, coupling constants. Applications of NMR with suitable examples - ethyl bromide, ethanol, acetaldehyde, 1,1,2-tribromo ethane and other examples.

CHAPTER-III

MASS SPECTROSCOPY

Principle, fragmentation of molecules, McLafferty rearrangements. Base peak, meta stable ion. Applications of mass spectroscopy toluene, neo pentane, alcohols, carbonyl compounds.

IR SPECTROSCOPY

Principle, Instrumentation, modes of vibrations applications of IR.

CHAPTER-IV

CHROMATOGRAPHY

Introduction, definition, principles of chromatography, commonly used terms, classification of chromatography, type's chromatography, application of chromatography.

Reference Books:

- Organic spectroscopy by Kalsi
- Unified chemistry
- Spectroscopy by Y.R.Sharma
- Instrumental methods of analysis by chatwal anand.

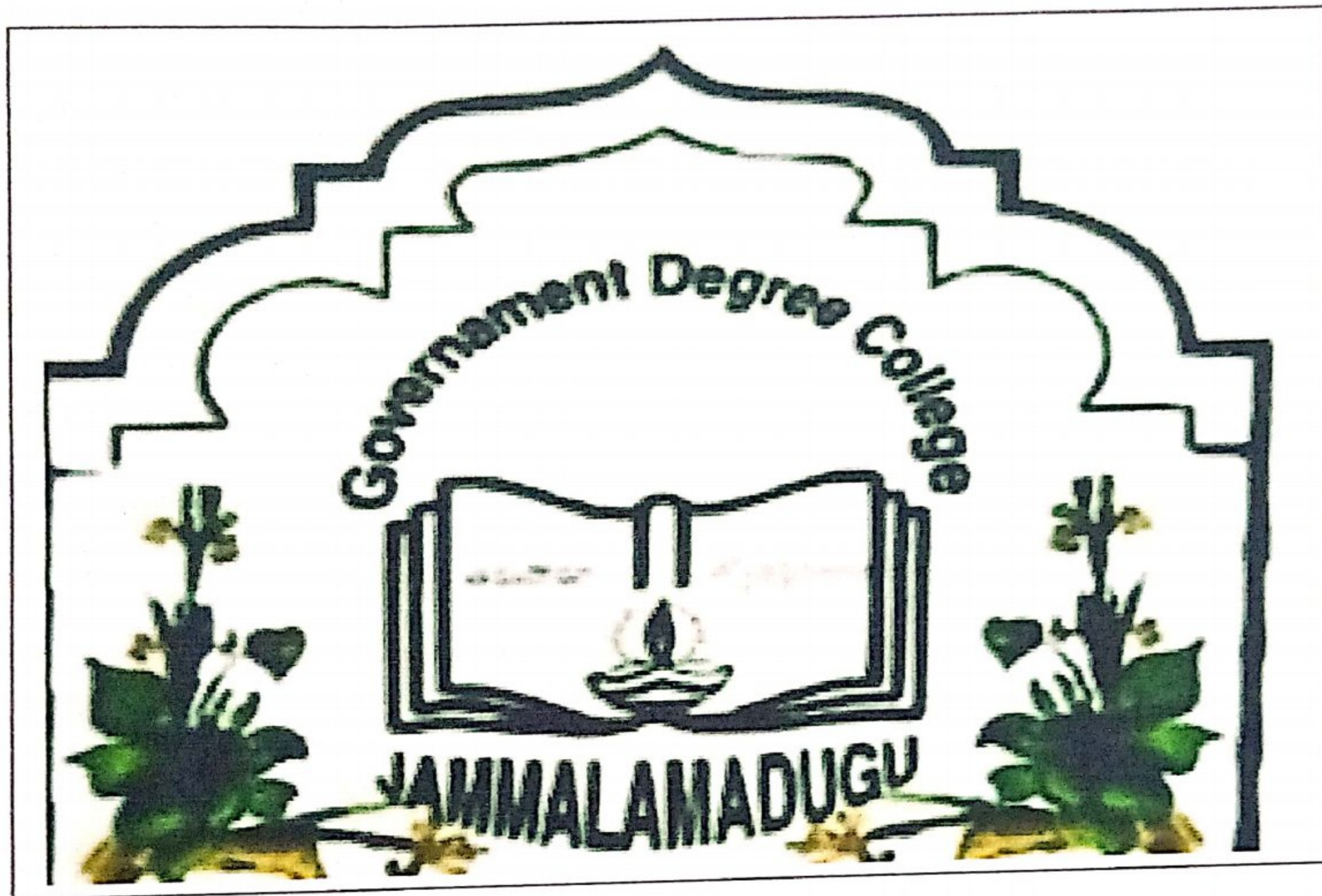
GOVT DEGREE COLLEGE, JAMMALAMADUGU
DEPARTMENT OF CHEMISTRY
CERTIFICATE COURSE
CHEMISTRY
BLUE PRINT

UNIT	ESSAY QUESTIONS	VERY SHORT QUESTIONS
UNIT-I	1	2
UNIT-II	1	2
UNIT-III	1	2
UNIT-IV	1	2

Learning outcomes of the course:

1. To learn about principle and instrumentation of different type of spectroscopy
2. The students are learning to analyze water sample and ore samples
3. The students will be able to get clear idea in different type of spectroscopy and learning application of instruments in industrial purpose
4. Sampling in chemical and pharmaceutical industries, to learn about maintenance and calibration of instruments, to study about different type of chromatographic techniques

CERTIFICATE COURSE
ON
JOURNALISM



GOVT.DEGREE COLLEGE
JAMMALAMADUGU
KADAPA DISTRICT

DEPARTMENT OF HISTORY

2020-2021

GOVT.DEGREE COLLEGE, JAMMALAMADUGU
DEPARTMENT OF HISTORY

JOURNALISAM - SYLLABUS

I. సమాచార చేరవేత - సాధనాలు అది పని చేసే విధానం

II. రిపోర్టర్ అర్హతలు - లక్షణాలు
విధులు, బాధ్యతలు రిపోర్టింగ్ లోని రకాలు

III. వార్త నిర్వచనాలు, లక్షణాలు, రకాలు, ఫీచర్లు

IV. ఉప సంపాదకుడి అర్హతలు, బరువు బాధ్యతలు
ప్రెస్ చట్టాలు

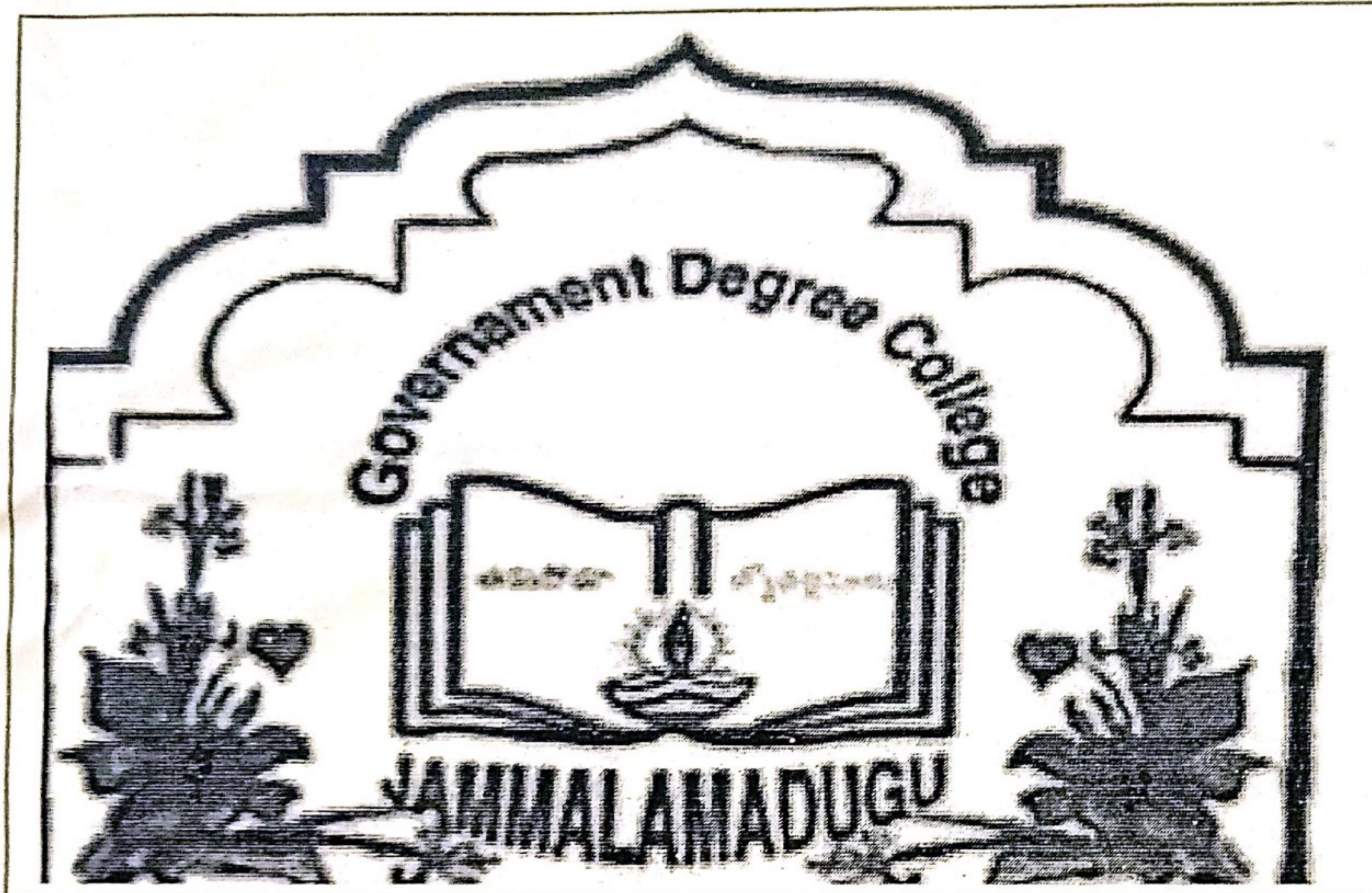
V. తెలుగు పత్రికలు

Out comes of the certificate course

After the Completion of the Course the Students will get the Knowledge about

1. The Students will Understand the News
2. Understand and Importance of Journalism
3. Differentiate Various Types of Journalism

ASMPS
GOVERNMENT DEGREE COLLEGE
JAMMALAMADUGU KADAPA DISTRICT



CERTIFICATE COURSE
ON

Remedial English Grammar

DEPARTMENT OF ENGLISH

2021-2022



SYLLABUS OF THE COURSE

UNIT 1

Parts of Speech

UNIT 2

Articles, Prepositions, Degrees of Comparison, Tenses, Voice.

UNIT 3

Speech, Question Tags and Synthesis of Sentences

UNIT 4

Conversion of Sentences, Transferring Information,
Phrases

UNIT 5

Comprehension, Vocabulary, Spellings, Short Stories and
Writing Dialogue

S. Nagaraja

Teacher in English
Govt. Degree College
Adilabad District, Telangana

S. Nagaraja

Principal
Government Degree College
Adilabad District, Telangana

Learning outcomes

After studying this course, students should be able to:

- understand that grammar can be seen as a flexible and useful tool for meaning making
- understand how grammar and vocabulary choices together create a range of different meanings
- see how an awareness of grammar as a tool for meaning-making can be applied to a range of real world situations in everyday life and professional practice.
- Communicate and convey effectively.
- Students performance in the competitive world can be seen purposeful.
- Competitive world requires skilled participants and these remedial classes produces suitable and marketable candidates..



CERTIFICATE COURSE

ON

BASIC ARITHMETIC



GOVT.DEGREE COLLEGE

JAMMALAMADUGU

KADAPA DISTRICT

DEPARTMENT OF MATHEMATICS

2021-2022



GOVT. DEGREE COLLEGE, JAMMALAMADUGU
YSR DISTRICT
DEPARTMENT OF MATHEMATICS
SUBJECT RELATED CERTIFICATE COURSE
"BASIC ARITHMETICS"
MECHANICS
(ACADEMIC YEAR 2021-22)

Objective of the course:

The course will deal, especially limited section of specific topics included in the B.Sc., and B.A., curriculum. Topics to be discussed are those which involve basic concepts of basic arithmetic's, and which therefore have wide applicability. These are also the topics that are conceptual the deepest, and must therefore be understood as clearly as possible. This will be the overall objective of the courses.

Course duration: 30 days

Level : UG

Course type : Scheduled

Certification : Certification will be given on the continuous comprehensive evaluation of student's performance in the learning activities.

SYLLABUS OF THE COURSE

UNIT 1 (7 DAYS) :

Introduction: Operations on numbers

UNIT 2 (7 DAYS)

LCM and HCF: How to find HCF and LCM - applications

UNIT – 3 (7 DAYS)

Average of numbers: Find average of even numbers – odd numbers – prime numbers

UNIT – 4 (7 DAYS)

Simple and Compound Interest: How to find simple interest – compound interest – Relation.

Out Comes of the Certificate Course

Certificate courses provide individuals with valuable skills and knowledge in a specific area of study. Some potential outcomes of completing a certificate course may include:

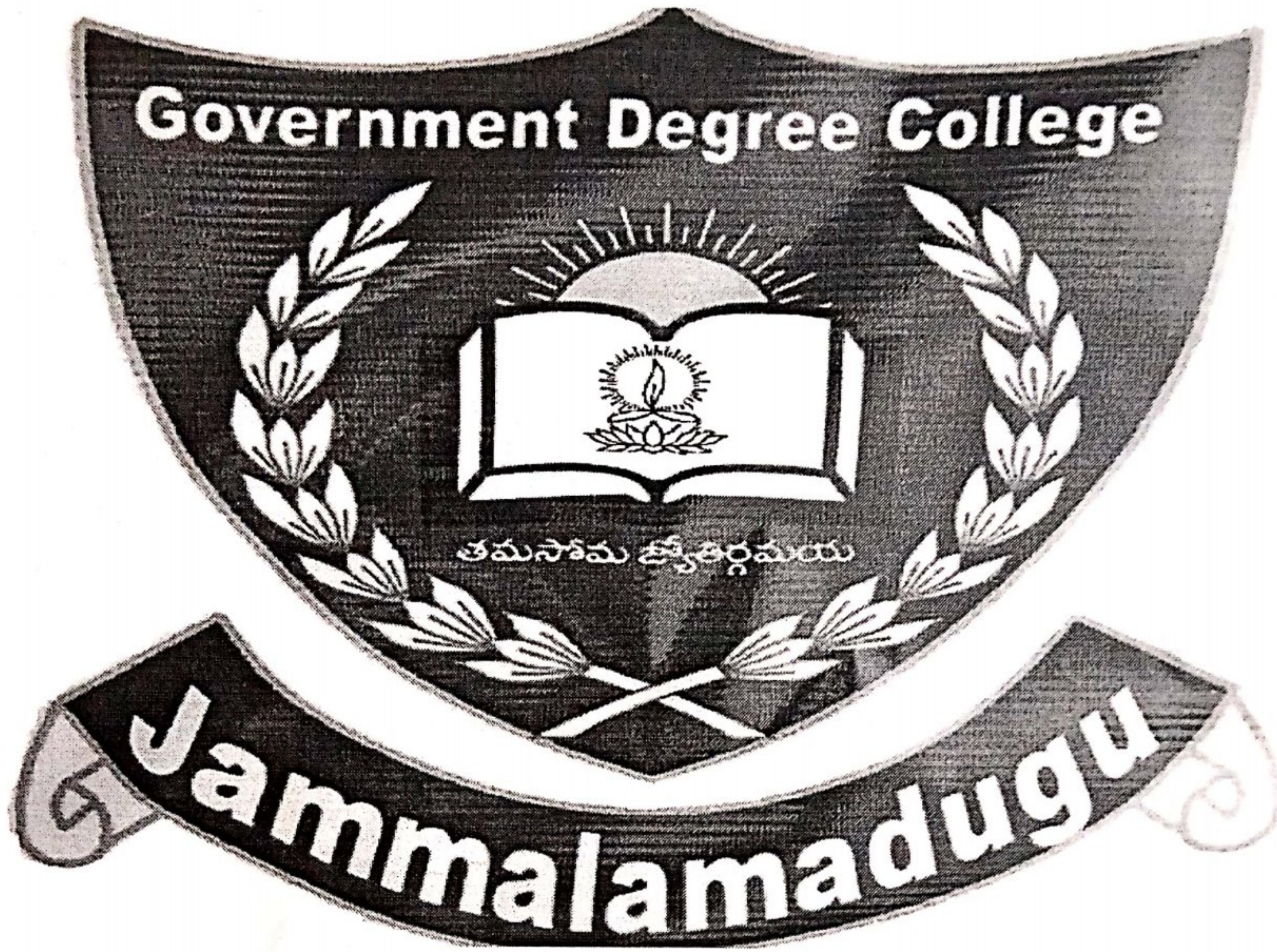
1. **Improved job prospects:** Certificate courses can enhance your resume and make you more competitive in the job market.
2. **Skill development:** Certificate courses help you gain practical skills and knowledge in a specialized field.
3. **Career advancement:** Completing a certificate course may qualify you for promotions or higher-paying positions within your current job.
4. **Personal growth:** Certificate courses can help you expand your horizons, learn new things, and stay current in your field.

Overall, completing a certificate course can have a positive impact on your career and personal development.

CERTIFICATE COURSE

ON

FOOD AND NUTRITION



GOVT.DEGREE COLLEGE

JAMMALAMADUGU

KADAPA DISTRICT

DEPARTMENT OF ZOOLOGY

2021-2022



GOVT.DEGREECOLLEGE,JAMMALAMADUGU
YSR DISTRICT

DEPARTMENT OF ZOOLOGY

SUBJECT RELATED CERTIFICATE COURSE

"FOOD AND NUTRITION"

[ACADEMIC YEAR 2021-22]

Objective of the course:

The course will deal, especially limited section of specific topics included in the S.Sc and S.A. curriculum. Topics to be discussed are those which involve basic concepts of FOOD AND NUTRITION and which therefore have wide applicability. These are also the topics, that are conceptual in design, and must therefore be understood as clearly as possible. This will be the general objective of the course.

Course duration: 30 days

Level : UG

Course type : Suggested

Certification : Certification will be given on the continuous comprehensive evaluation of student's performance in the learning activities.

SYLLABUS OF THE COURSE

UNIT-1 (05 DATES) : Introduction to food and nutrition and dietetics

UNIT-2 (05 DATES) : Human physiology and nutrition

UNIT - 3 (05 DATES) : Functional foods, super foods and bioactive compounds in food

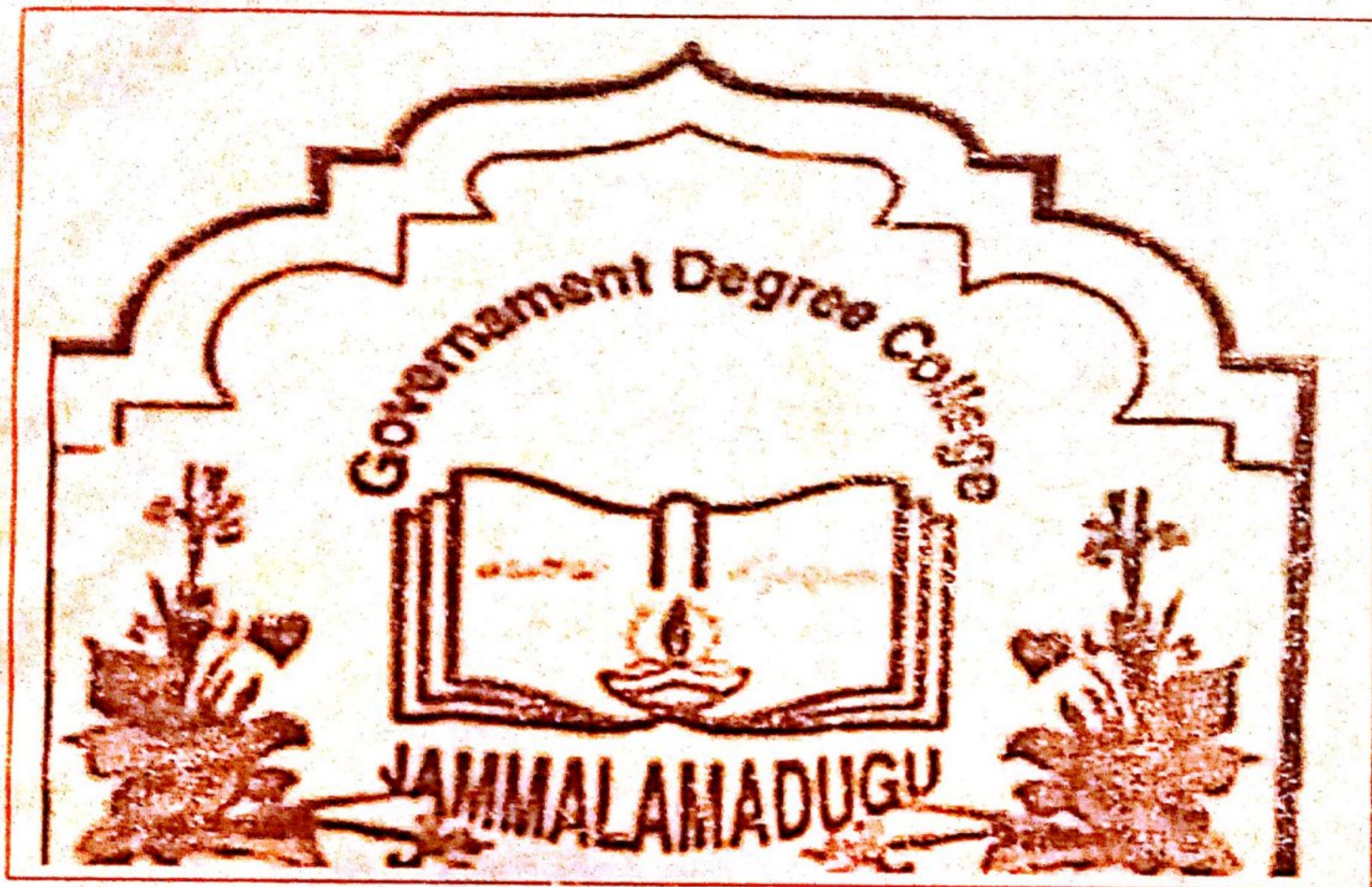
Out Comes of the Certificate Course

Certificate courses provide individuals with valuable skills and knowledge in a specific area of study. Some potential outcomes of completing a certificate course may include:

1. Improved job prospects: Certificate courses can enhance your resume and make you more competitive in the job market.
2. Skill development: Certificate courses help you gain practical skills and knowledge in a specialized field.
3. Career advancement: Completing a certificate course may qualify you for promotions or higher-paying positions within your current job.
4. Personal growth: Certificate courses can help you expand your horizons, learn new things, and stay current in your field.

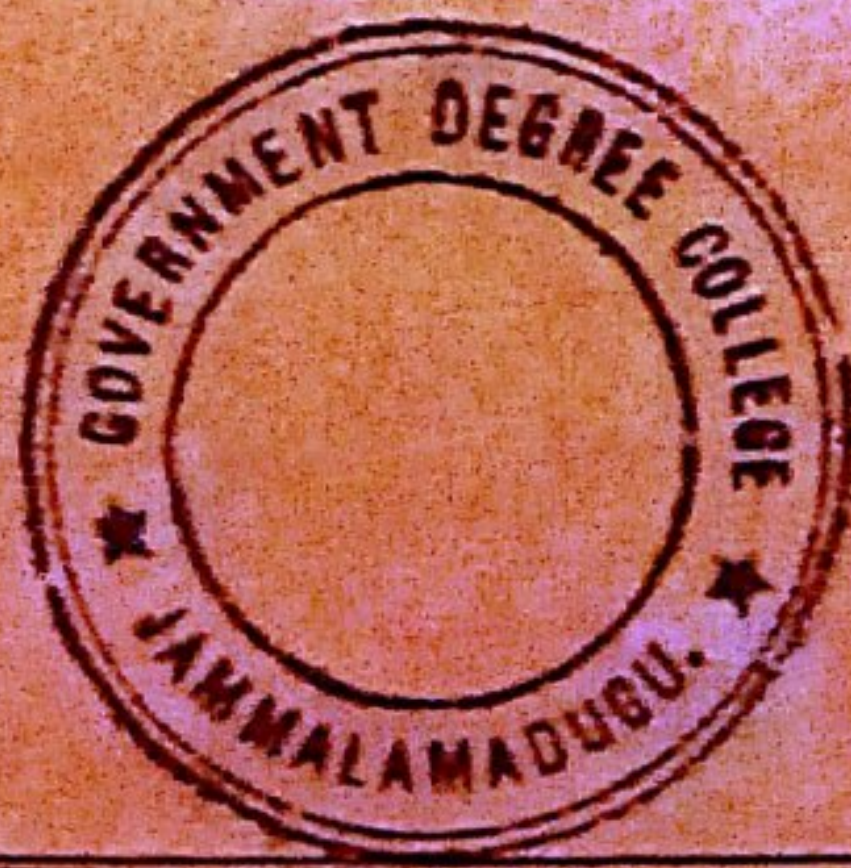
Overall, completing a certificate course can have a positive impact on your career and personal development.

**CERTIFICATE COURSE
ON
FINANCIAL MARKETS IN INDIA**



**GOVT.DEGREE COLLEGE
JAMMALAMADUGU KADAPA
DISTRICT
DEPARTMENT OF ECONOMICS**

2021-2022

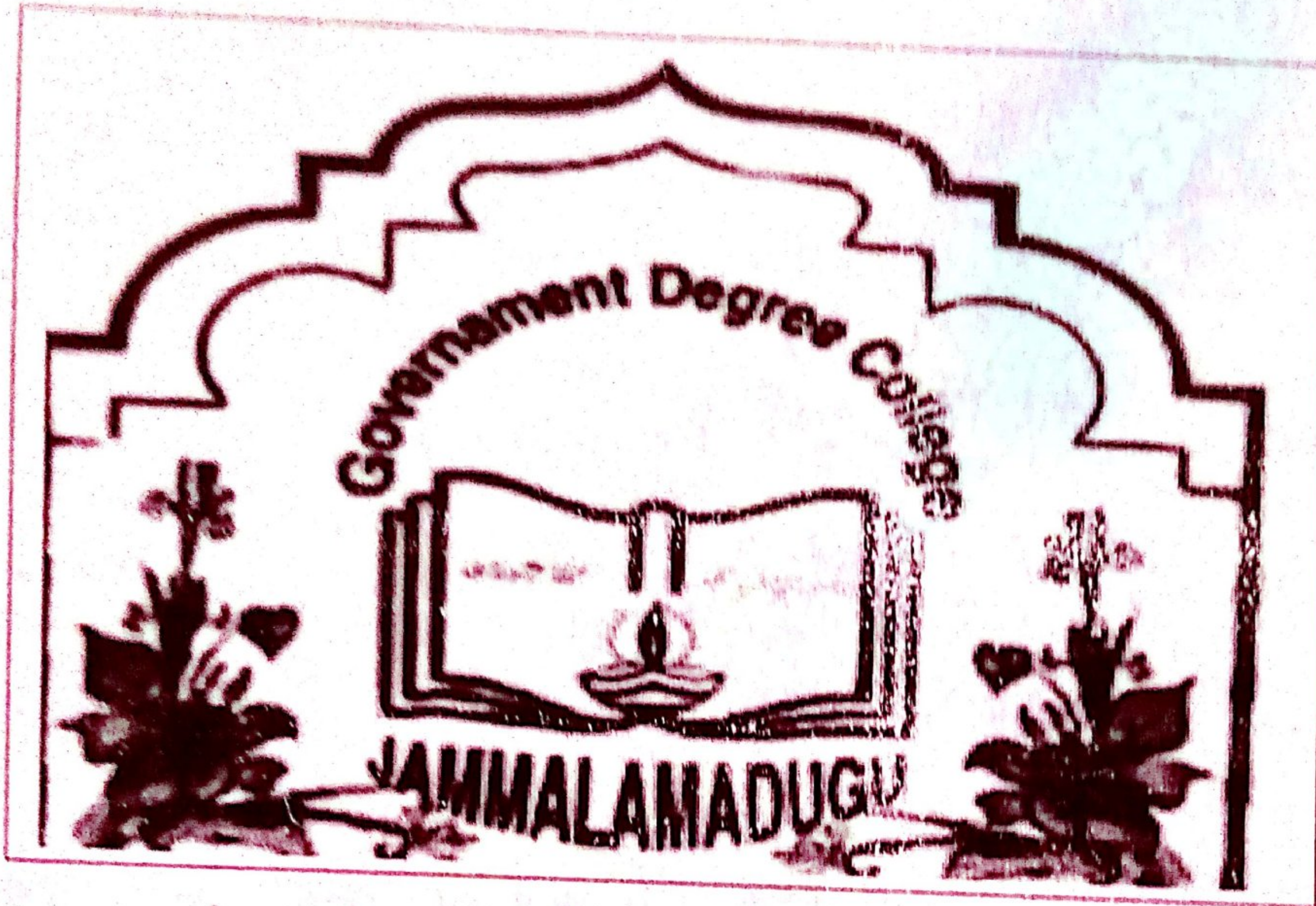




ASMPs

GOVERNMENT DEGREE COLLEGE

JAMMALAMADUGU KADAPA DISTRICT



DEPARTMENT OF COMMERCE
CERTIFICATE COURSE

TALLY

11-8-22 TO 12-09-2022



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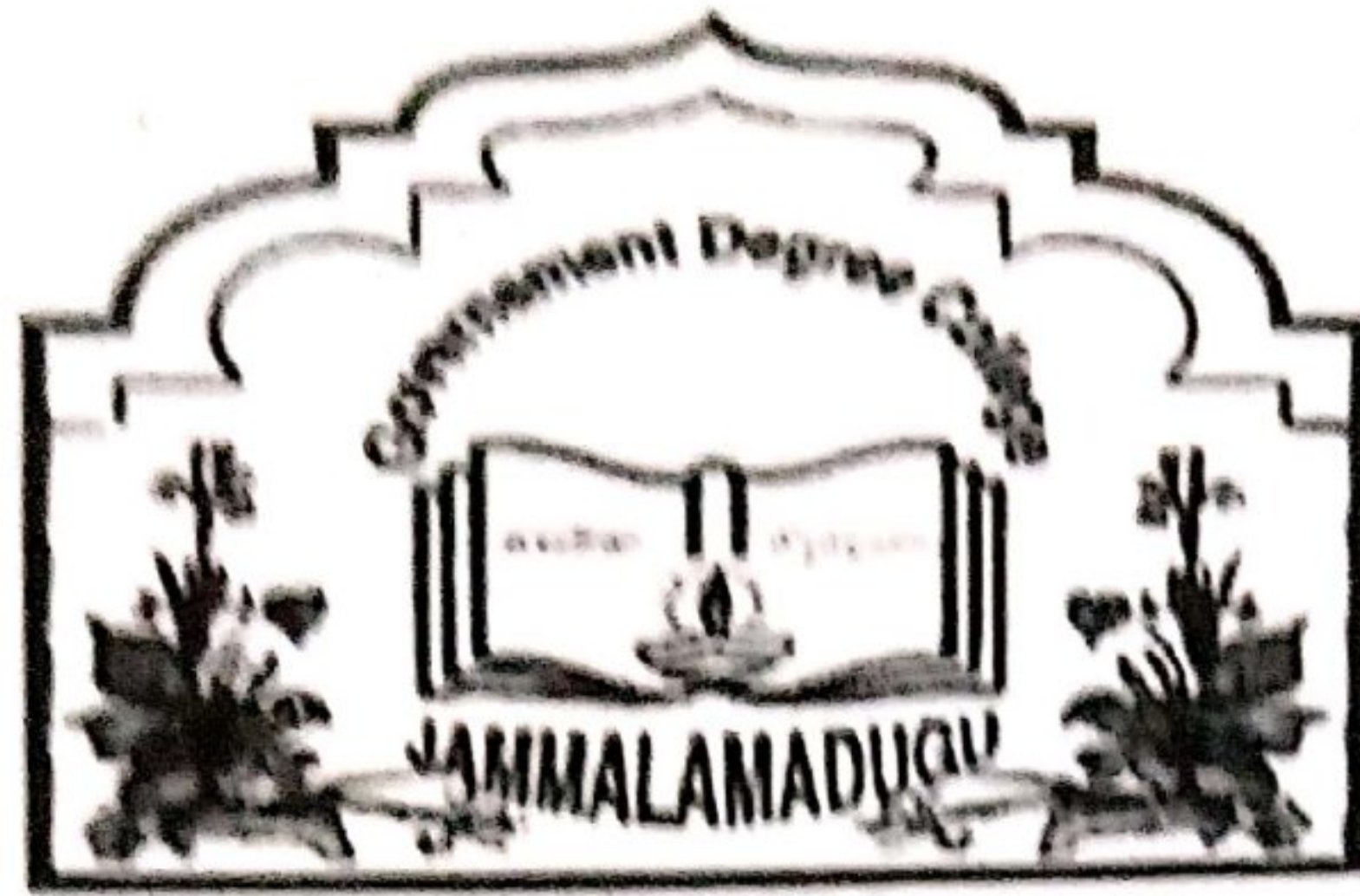
Syllabus of the Certificate Course ----- TALLY

- Introduction to Tally 2hrs
- Features Of Tally 4hrs
- Enhancement in Tally 4hrs
- Instalation procedure of Tally 3hrs
- Componnets of Tally 3hrs
- Stock and Godown in tally 4hrs
- Creating and displaying a Stock Group 3hrs
- Altering and Creating Displaying single stock item 3hrs



Outcomes of the certificate course:

- ❖ Tally is useful for processing data .
- ❖ Tally is useful for organizing of Accounting data .
- ❖ Hand practice:CGST-SGST-IGST
- ❖ Entry of tax surcharges and also about preparation of balance sheet .



**GOVT. DEGREE COLLEGE
JAMMALAMADUGU**

**DEPARTMENT OF POLITICAL SCIENCE
CERTIFICATE COURSE
IN
LOCAL-SELF GOVERNMENTS IN INDIA
01-11-2021 TO 06-12-2021**



**GOVT. DEGREE COLLEGE
JAMMALAMADUGU
DEPARTMENT OF POLITICAL SCIENCE
CERTIFICATE COURSE IN
LOCAL-SELF GOVERNMENTS IN INDIA**

Syllabus

Unit-I- Introduction

1. Meaning of Local Governments
2. Importance of Local Governments

Unit-II- History of Local Governments

1. Local Governments during the period of ancient India
2. Local Governments during the period of medieval India
3. Local Governments during the period of British rule

Unit-III- Various committees to study on Local Governments

1. Balwanth Roy Mehatha committee
2. Ashok Mehatha committee
3. Poonchhi committee
4. L.M. Shingvi committee.

Unit-IV- Constitutional status to the Local Governments

1. 73rd Constitutional Amendment Act.
2. 74th Constitutional Amendment Act

Coordinator

Principal

G. Anandaprasath
PRINCIPAL
GOVERNMENT DEGREE COLL
JAMMALAMADUGU



Outcomes of the course

After complete the certificate course the following outcomes will come:

1. The students will get knowledge about the importance of the local governments
2. They will understand the composition of local governments
3. Students will trace out the importance of local governments
4. They also understand the local needs of the people.
5. Students will get political knowledge.

**ADD ON COURSE
ON**

Mushroom Cultivation



GOVT.DEGREE COLLEGE

JAMMALAMADUGU

KADAPA DISTRICT

DEPARTMENT OF BOTANY

2021-2022



Certificate course in mushroom cultivation

Syllabus

Unit I:

Introduction, history: (10 hrs) Introduction - history - scope of edible mushroom cultivation, Types of edible mushrooms available in India –Volvariellavolvacea, Pleurotuscitrinopileatus, Agaricusbisporus. Identification of different edible and poisonous mushrooms. Nutritional and medicinal value of edible mushrooms.

Unit II:

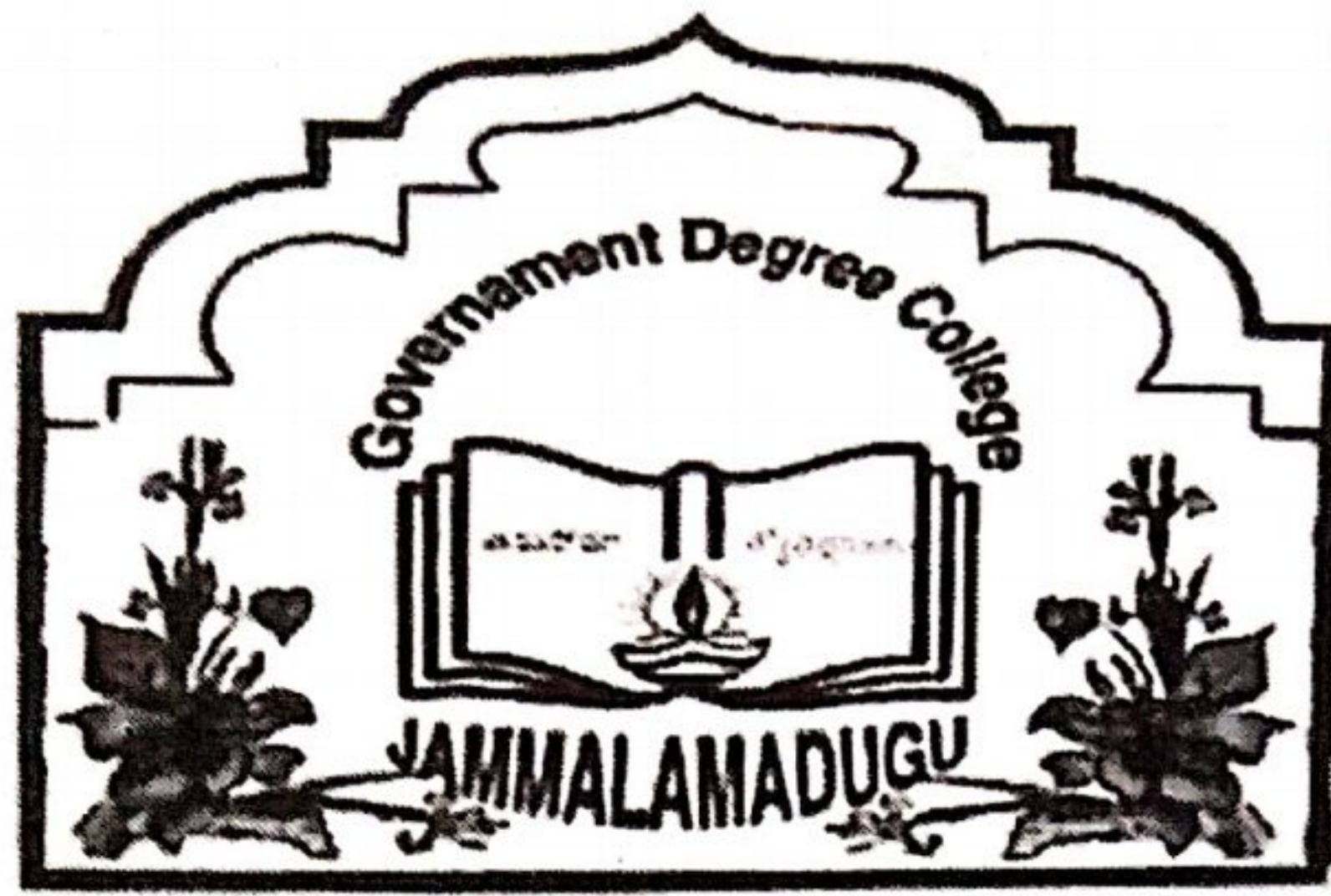
Cultivation Technology: (10hrs) Cultivation of Button, Oyster and Paddy straw Mushrooms: Collection of raw materials, compost & composting, spawn & spawning, casing & case run, cropping, picking & packing, marketing.

Unit III:

Storage, Value addition and marketing: (10hrs) Short- term storage (Refrigeration - up to 24 hours) Long term Storage (canning, pickles, papads), drying, storage in salt solutions. Types of foods prepared (value added products) from mushrooms; soup, cutlet omlette, samosa, pickles and curry. Research Centres -National level and Regional level. Cost benefit ratio - Marketing in India and abroad, Export Value

Learning Course Outcomes:

- Students can start small scale industry of Mushroom cultivation.
- Students study the morphology and types of Mushrooms.
- They are aware of the identification of edible and poisonous Mushrooms
- Students will be able produce spawn on their own.
- Learned the prospects and scope of mushroom cultivation in small scale industry.
- Studied the technique of Mushroom cultivation.
- Understood the Diseases. Post harvesting techniques of Mushrooms.



GOVT. DEGREE COLLEGE
JAMMALAMADUGU

DEPARTMENT OF POLITICAL SCIENCE
CERTIFICATE COURSE IN INDIAN CONSTITUTION AND POLITY
11.08.2021 TO 12.09.2021

Syllabus

Govt. Degree College,
Jammalamadugu
Dept. of Political Science
Certificate Course on Indian Constitution & Polity Syllabus

Unit 1: The Constituent Assembly & The Constitution Of India

1. Composition of Constituent Assembly & Making of the Constitution
2. Critical Evaluation of Constituent Assembly
3. Features of Indian Constitution
4. Preamble to the Constitution of India
5. Fundamental Rights
6. Directive Principles

Unit 2: Organs Of The Government

1. The President of India
2. Prime Minister & Council of Ministers
3. Indian Parliament
4. The Supreme Court & High Courts
5. Judicial Review & Judicial Activism in India

Unit 3: Federalism & Decentralisation

1. Centre-State Legislative Relations
2. Centre-State Administrative Relations
3. Centre-State Financial Relations
4. Constitutional & Statutory Bodies

Unit 4: Grassroots of Democracy

1. 73rd Constitutional Amendment Act
2. 74th Constitutional Amendment Act

BOOKS AND REFERENCES

1. Durga Das Basu --- Introduction to the Constitution of India, 23rd Edition (Gurgaon; LexisNexis, 2018).
2. J.C. Johari -- The Constitution of India: A Politico-Legal Study (Greater Noida: Sterling Publishers Pvt. Ltd. 2013).
3. Vidya Bhushan & Vishnoo Bhagwan--- Indian Administration (S. Chand, 2011)
4. B. L. Fadia --- Indian Government and Politics (Sahitya a. Bhawan, 13th Revised Edition, 2017).
5. P.M. Bakshi – The Constitution of India (Prayagraj, UP; a. Universal Law Publishing, January, 2018)

Signature of the Course Coordinator

Signature of the HOD

Signature of the Principal



Outcomes of the Certificate Course

After the completion of the course the students will get the knowledge about

1. The students will understand the political system of India
2. They will acquire the knowledge about evolutionary growth of Indian Constitution
3. They also understand the composition of governments both at centre and the states
4. The students will have the knowledge about the fundamental rights and directive principles of state policy.
5. They also understand the functioning of independent constitutional bodies like election commission of India, finance commission, CAG, UPSC etc.,

Information about the Course

- Time of the course- 30 Hrs.
- Class timings- 4 pm to 5 pm
- Period of course- 11.08.2021 to 12.09.2021
- No. of students – 09

**GOVERNMENT DEGREE COLLEGE,
JAMMALAMADUGU**

DEPARTMENT OF PHYSICS

ACADEMIC YEAR 2021-22

CERTIFICATE COURSE

ON

SEMI-CONDUCTOR DIODES



Government Degree College, Jammalamadugu
YSR Kadapa District

Syllabus for Certificate Course in

“SEMICONDUCTOR DIODES”
with effect from 2021-22.

Course Objectives (CO):

- 1) To understand basic concept of semiconductors, Semiconductor diodes & their characteristics.
- 2) To provide a broad coverage of solid state devices
- 3) To describe the motion of free electrons & vacancies through a P N junction.
- 4) To study & verify the fundamental of P N junction diode in forward bias.
- 5) Acquire the fundamental knowledge & exposes to Semiconductor Diodes.

Course Learning Outcomes (CLO):

After completing this course students will be able to:

- 1) Identify & understands construction & properties of P N junction diode, Zener diode, light emitting diode, photodiode, varactor diode & their V-I characteristics.
- 2) Become aware of the general characteristics of three important semiconductor materials.
- 3) Test semiconductor diodes range small signal diode, Zener diode

Opportunity:

- 1) There are many opportunities in designing & manufacturing diodes
- 2) Silicon diode in a D.C Circuit Assembly using connectors blocks.
- 3) Great strides have been made in the manufacturing techniques.

Syllabus/Course Contents:

1) **Unit 1:**

Semiconductor Diodes, Resistance of crystal diode, crystal diode equivalent circuit, crystal diode, rectifiers, filter circuits.

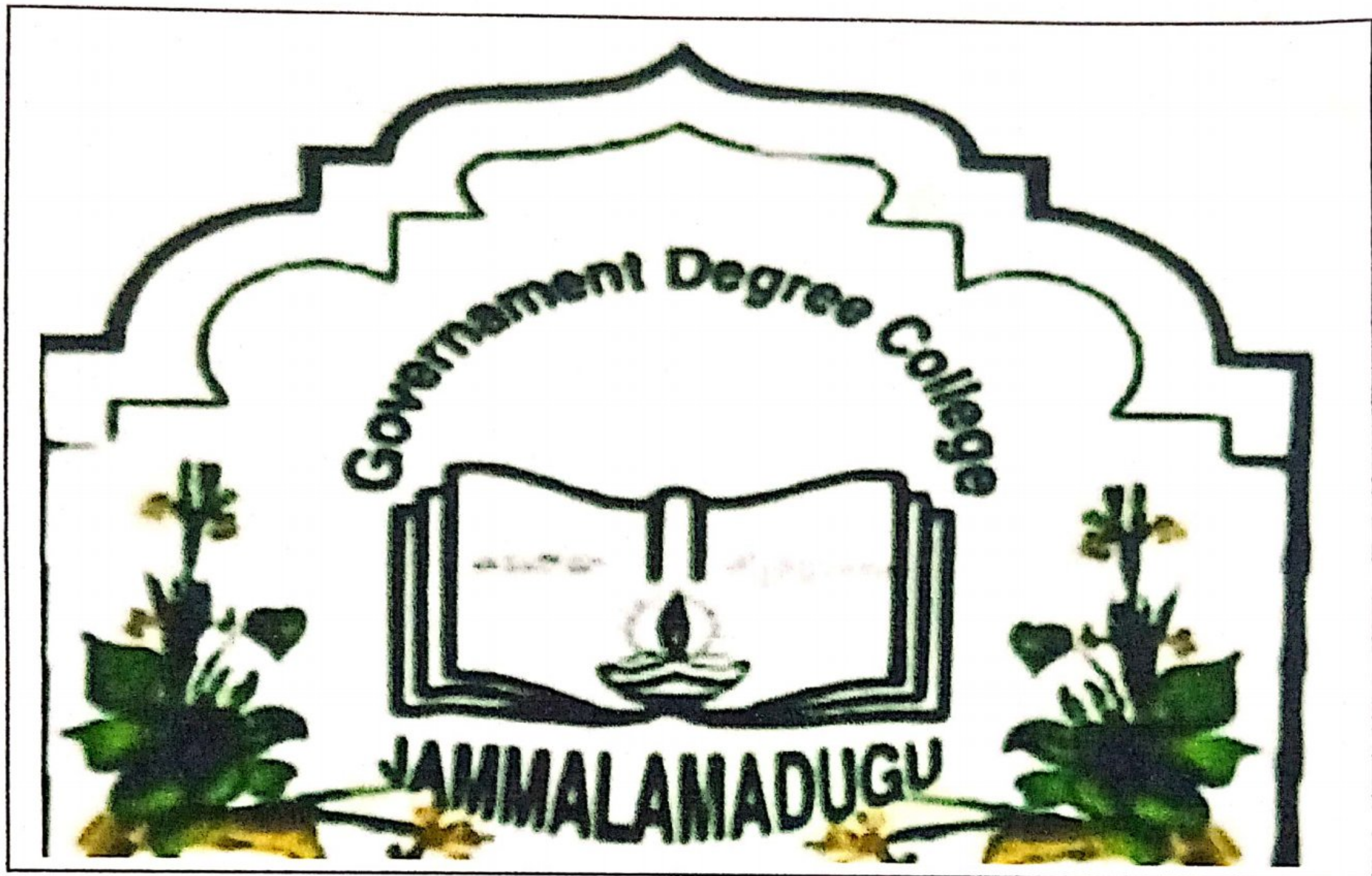
2) **Unit 2:**

Semiconductor (Definition), types of semiconductors, P N junction diode, light emitting diode, zener diode, photo diode, varactor diode & their characteristics

3) **Unit 3:**

Applications of Semiconductor Diodes: Mixing Signals, Controlling the size of signals, LED, Switching diode.

CERTIFICATE COURSE
ON
TOURISM GUIDANCE



GOVT.DEGREE COLLEGE
JAMMALAMADUGU
KADAPA DISTRICT

DEPARTMENT OF HISTORY

2022-2023



GOVT. DEGREE COLLEGE, JAMMALAMADUGU

KADAPA DIST

DEPARTMENT OF HISTORY

SUBJECT RELATED CERTIFICATE COURSE

"TOURISM GUIDANCE"

MECHANICS

(ACADEMIC YEAR 2022-23)

Objective of the course :

The course will deal , especially limited section of specific topics included in the 3rd B.A., H.E.P curriculum. Topics to be discussed are those which involve basic concepts of tourism guidance ,and which therefore have wide applicability . These are also the topics, that are conceptual the deepest, and must therefore be understood as clearly as possible . This will be the overall objective of the courses.

Course duration : 30 days

Level : UG

Course type : Scheduled

Certification : Certification will be given on the continuous comprehensive evaluation of students performance in the learning activities.

SYLLABUS OF THE COURSE

UNIT 1 (3 DAYS) :

Tourism Introduction : Tourism-what is Tourism?-Characteristics of tourist places-

guidance in tourism-meaning of guidance-types of your guidance-g

Government/department Regulation.

UNIT 2 (3 DAYS) :



Out comes of the certificate course

After the Completion of the Course the Students will get the Knowledge about

1. The Students will Understand the Tourism Course
2. Understand and Importance of Tourist guiding
3. Differentiate Various Types of Guidance



Out comes

1. Produce a complex digital news package that engages audiences with relevant facts, visuals and technical components.
2. Apply media ethics and inclusivity when working with the public, including marginalized populations.
3. Apply emotionally intelligent interviewing skills for working in deadline-driven situations.
4. Express strong writing, editing and proof-reading skills for reporting the news.
5. Critique the contextual factors that shape the media in a diverse, globalized media landscape.



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Out comes

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