

**Godutai Doddappa Appa Arts, Commerce and Science Degree
College for Women's kalaburagi**

PROGRAMME SPECIFIC OUTCOME (PSO)- NEP

B.A Fine Art

PSO-1The Student is able give a practical demonstration for a period of at least two hour.

PSO-2 The student is able to demonstration various aspects of Painting and their differentiation.

PSO-3The Student Studies about the theoretical aspects of the prescribed History of Indian painting

PSO-4The Student learns to write the practical according to the prescribed Syllabus.

PSO-5The Student understands the basic terminologies of Indian Painting.

PSO-6The Student Studies about the Compositional Forms and notation Systems of Fine Art.

PSO-7The Student studies about the life and contribution of the great Indian Artists.

PSO-8The student learns about the fine Art in the pre-Historical time to Contemporary, and also studies the works of Fine Art Scholars of the Past.

PSO-9The student studies about the Line, Tone, Colours, Texture in Fine Art.

PSO-10The students Makes an analytical study of Various painting Forms of Fine Art.

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COURSE OUT COME

B.A-I Year SEMESTER-I "Theory" (DSC-1)

CO-1 The Student Understand the basic Terminologies of Indian Painting.

CO-2 The Student learn to write the practical according to prescribed Syllabus.

CO-3 Student Studies about the theoretical aspects of History of Indian Painting at Stage.

CO-4 The Student is able to give a Practical demonstration of the Prescribed Painting and is able to demonstrate various aspects painting and their differentiation.

B.A-I Year SEMESTER-II "History of Indian Painting" (DSC-2)

CO-1 The Student studies about the various forms of Fine Art.

CO-2 The Student learns about History of Indian Painting.

CO-3 The Student learns to write the practical work of "Still Life".

CO-4 The Student Studies about Project work.

CO-5 The Student is able to give a practical demonstration of the Prescribed painting and their differentiation.

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B.A-II Year - SEMESTER-III "Still Life" (DSC-3)

CO- 1 The Student Studies about the Painting terms of Fine Art.

CO-2 The Student learns about the Still Life of Indian Painting Theory.

CO-3 The Student learns to write the Practical Still life according to the prescribed syllabus.

CO-4 The Student is able to give a practical demonstration of painting for a period of at least two hours.

B.A-II Year SEMESTER-IV "PORTRAIT"(DSC-4)

CO-1 The Student Studies the texts of ancient Scholars of Fine Art.

CO-2 The Student learns about the life and contribution of the Famous Artists.

CO- 3 The Student learns to write the practical portrait according to the prescribed syllabu

CO-4 The Student Studies about the theoretical aspects of History of Indian Painting.

CO-5 The Student is able to give a practical demonstration of painting for a period of at least two hours.

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B.A-III Year SEMESTER-V "History of Art and Asthetics" (DSC-9)

CO-1 The Student Understand the basic Terminologies of Indian Painting.

CO-2 The Student learn to write the practical according to prescribed Syllabus.

CO-3 Student Studies about the theoretical aspects of History of Indian Painting at Stage.

CO-4 The Student is able to give a Practical demonstration of the Prescribed Painting and is able to demonstrate various aspects painting and their differentiation.

B.A-III Year SEMESTER-V "LANDSCAPE" (DSC-10)

CO-1 The Student learns about the Indian painting in Landscape Methods like Water Colour, Poster Colour.

CO-2 The Student Studies the works on Indian Painting by Civilization authors.

CO-3 The Student learns to write the Practical according to the prescribed Syllabus.

CO-4 The Student Studies about the Theoretical aspects of Aesthetics.

B.A-III Year SEMESTER-V "COMPOSITION" (DSC-11)

CO- 1 The Student Studies about the Painting terms of Fine Art.

CO-2 The Student learns about the Compositions of Indian Painting Practical.

CO-3 The Student learns to write the Practical Compositions according to the prescribed syllabus.

CO-4 The Student is able to give a practical demonstration of painting for a period of at least two hours.

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B.A-III Year SEMESTER-VI "History of Art and Asthetics " (DSC-12)

- CO-1 The Student Understand the basic Terminologies of Indian Painting.
CO-2 The Student learn to write the practical according to prescribed Syllabus.
CO-3 Student Studies about the theoretical aspects of History of Indian Painting at Stage.
CO-4 The Student is able to give a Practical demonstration of the Prescribed Painting and is able to demonstrate various aspects painting and their differentiation.

B.A-III Year SEMESTER-VI "Mural Painting " (DSC-13)

- CO-1 The Student Studies about "A Study of " Mural Painting".
CO-2 The student learns about the pencil Shade & light.
CO-3 The Student learns to write the Practical a study of Mural Painting according to the prescribed Syllabus.
CO-4 The Student Studies about the theoretical aspects of Aesthetics.
CO-5 The Student is able to give a practical demonstration of the prescribed Painting and is able to demonstrate various aspts of painting and their differentiation.

B.A-III Year SEMESTER-V "A STUDY OF MODEL FIGURE" (DSC-14)

- CO-1 The Student Studies about "A Study of Model Figure".
CO-2 The student learns about the pencil Shade & light.
CO-3 The Student learns to write the Practical a study of model figure according to the prescribed Syllabus.
CO-4 The Student Studies about the theoretical aspects of Aesthetics.
CO-5 The Student is able to give a practical demonstration of the prescribed Painting and is able to demonstrate various aspts of painting and their differentiation.



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Course Outcomes:

Semester 1

DSC-I.2: Political history of Karnataka (BCE-3 to 10 CE) Part-1

- Understand the continuity of Political developments and strategies.
- Analysis the importance of causes for the rise of regional political dynasties.
- Understand contextual necessities which influenced the era of political supremacy.
- Understand and describe the contemporary political history.
- Appreciate the confluence of diverse political elements.

DSC-1.3 :Cultural Heritage of India

- Provide an insight about an extensive survey of heritage of India
- Familiarize Indian history and culture
- Expertize to analyse further development of culture of India
- Analyse the factor responsible for origin and decline of culture
- Provide the opportunity to understand the process of cultural development

Semester II

DSC-2.2 : Political History of Karnataka (CE11- 1750 AD)

- Understand the rise and fall of Political dynasties in Karnataka.
- Familiarize with the patterns of administration.
- Analyze the traditional values and ethos of political development.
- Understand the rise and fall of regional variations.
- Study the complexities involved in polity of the time.

DSC – 2.3 : Course Title: Cultural Heritage of Karnataka

- Understand the concept of cultural heritage of Karnataka
- Study various cultural factors which influence the flow of culture
- Familiarize the factors which influenced in influencing culture and society
- Analyze the factors responsible for formation of pluralistic society
- Understand the concept "Unity in diversity".

Semester 3

DSC-5

Course Title: Political History of India(From Indus Culture up to 1206)

- Understand the history and culture of Political History of India region.
- Analyse the importance of causes for backwardness of this region.
- Understand the influence of political influence on the people and culture of this region.
- Understand the political, Social, Religious and Cultural history of the region.
- Appreciate the divergent cultural and communal harmony of this region.

DSC-6

Course Title: History of Bombay Karnataka

- Understand the history and culture of History of Bombay Karnataka.
- Analyse the importance of causes for backwardness of this region.
- Understand the influence of political influence on the people and culture of this region.
- Understand the political, Social, Religious and Cultural history of the region.
- Appreciate the divergent cultural and communal harmony of this region.

Semester 4

Title of the Course: History of Medieval India

- Understand the Political History Medieval India (from 1206 to 1761).
- Analyse the importance of causes for backwardness of this region.
- Understand the influence of Political History Medieval India (from 1206 to 1761).
- Understand the political, Social, Religious and Cultural history of the region.
- Appreciate the divergent cultural and communal harmony of this region.

Semester 4

Course Title: Cultural History of India (From Saraswati - Indus Culture to 1206 CE).

- Understand the History of Cultural History of India (From Saraswati -Indus Culture to 1206 CE).
- Analyse the importance of causes for backwardness of this region.
- Understand the influence of History of Cultural History of India (From Saraswati - Indus Culture to 1206 CE).
- Understand the political, Social, Religious and Cultural history of the region.
- Appreciate the divergent cultural and communal harmony of this region.

V Semester

DSC-9 History of Western Civilization –(6BC-1200 AD)

1. Students will compare the evolution of intellectual, cultural and technological exchange of different regions.
2. Students will understand the diffusion of ideas and culture of western civilization.

DSC-10

Course Title: European History

To study the history of a region that is often left out of, or given short shrift in, mainstream "South Indian History"

Course Code: DSC-11

Course Title: Contemporary History of India from 1947-1990

- To know the meaning of legacy of Colonialism
- understand the legacy of Colonialism.
- assess the political legacy of Colonialism.
- identify the important legacies in the form of political legacy of British Colonialism in India.

Semester: VI

DSC12

Course Title: HISTORY OF FREEDOM MOVEMENT AND UNIFICATION IN KARNATAKA

- To get familiarized with impact of the rebellion of 1857 on Karnataka
- To get acquainted with National Movement in Karnataka
- To know about Belgaum Congress Session
- To understand about Origin and development of unification movement in Karnataka
- To know about Contributions of Various Kannada Organizations

Course Title: History of India. (CE1761-CE 1857)

DSC 13

- Student will be able to formulate basis of modern India through different concepts like
- modernity, Rule of Law etc
- Students will be able to analyze the process of rise modern India and its foundation
- made by Social reformer and freedom fighters.
- Students will be able to analyze social background of Indian Nationalism
- Students will be able to categorize different school of thoughts about Modern India history

Course Title: History of United States of America – I (c.1776 – 1945)
Course Code: DSC-14

1. Compare American civilizations before European contact and the events and motivations for European exploration to the Americas.
2. Discuss colliding cultures in the Americas, including the development of European colonies and the Columbian exchange.
3. Describe life in the British North American Colonies.
4. Examine rising tensions in the colonial world leading up to the American Revolution.
5. Describe the key events and outcomes of the American Revolutionary War.
6. Examine the setup of the early American Government, the features of the Articles of Confederation, and the concepts central to the creation of the U.S. Constitution.
7. Compare the viewpoints of the Federalists and Anti-Federalists, relating their arguments to the rise of the first two-party systems and to affairs in early American politics.



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SUBJECT –ZOOLOGY

Semester – B.Sc 1st sem

PROGRAM OUTCOMES:

POs1-The Programme offers both classical as well as modern concepts of Zoology in higher education.

POs2-It enables the students to study animal diversity in both local and global environments.

POs3-To make the study of animals more interesting and relevant to human studies more emphasis is given to branches like behavioural biology, evolutionary biology and economic zoology.

POs4-More of upcoming areas in cell biology, genetics, molecular biology, biochemistry, genetic engineering and bioinformatics have been also included.

POs5-Equal importance is given to practical learning and presentation skills of students.

POs6-The lab courses provide the students necessary skills required for their employability.

POs7-Skill enhancement courses in classical and applied branches of Zoology enhance enterprising skills of students.

POs8-The global practices in terms of academic standards and evaluation strategies.

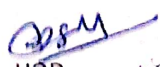
POs9- Provides opportunity for the mobility of the student both within and across the world.

POs 10-The uniform grading system will benefit the students to move across institutions within India to begin with and across countries.

POs11-It will also enable potential employers in assessing the performance of the candidates across the world. Credit distribution for the course

Course Outcomes (COs):

1. The structure and function of the cell organelles.
2. The chromatin structure and its location.
3. The basic principle of life, how a cell divides leading to the growth of an
4. Organism and also reproduces to form a new organisms.
5. How a cell communicates with its neighboring cells.
6. The principles of inheritance, Mendel's laws and the deviations.
7. How environment plays an important role by interacting with genetic factors.
8. Detect chromosomal aberrations in humans and study of pedigree analysis.


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SUBJECT –ZOOLOGY

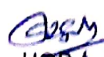
Semester – B.Sc 2nd sem

PROGRAM OUTCOMES;

- POs1-The Programme offers both classical as well as modern concepts of Zoology in higher education.
- POs2-It enables the students to study animal diversity in both local and global environments.
- POs3-To make the study of animals more interesting and relevant to human studies more emphasis is given to branches like behavioural biology, evolutionary biology and economic zoology.
- POs4-More of upcoming areas in cell biology, genetics, molecular biology, biochemistry, genetic engineering and bioinformatics have been also included.
- POs5-Equal Importance is given to practical learning and presentation skills of students.
- POs6-The lab courses provide the students necessary skills required for their employability.
- POs7-Skill enhancement courses in classical and applied branches of Zoology enhance enterprising skills of students.
- POs8-The global practices in terms of academic standards and evaluation strategies.
- POs9- Provides opportunity for the mobility of the student both within and across the world.
- POs 10-The uniform grading system will benefit the students to move across institutions within India to begin with and across countries.
- POs11-It will also enable potential employers in assessing the performance of the candidates across the world. Credit distribution for the course

Course Outcomes (COs):

1. To develop a deep understanding of structure of biomolecules like proteins, lipids and carbohydrates.
2. How simple molecules together form complex macromolecules.
3. To understand the thermodynamics of enzyme catalyzed reactions.
4. Mechanisms of energy production at cellular and molecular levels.
5. To understand various functional components of an organism.
6. To explore the complex network of these functional components.


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SUBJECT –ZOOLOGY

Semester – B.Sc 3rd sem

PROGRAM OUTCOMES:

POs1-The Programme offers both classical as well as modern concepts of Zoology in higher education.

POs2-It enables the students to study animal diversity in both local and global environments.

POs3-To make the study of animals more interesting and relevant to human studies more emphasis is given to branches like behavioural biology, evolutionary biology and economic zoology.

POs4-More of upcoming areas in cell biology, genetics, molecular biology, biochemistry, genetic engineering and bioinformatics have been also included.

POs5-Equal importance is given to practical learning and presentation skills of students.

POs6-The lab courses provide the students necessary skills required for their employability.

POs7-Skill enhancement courses in classical and applied branches of Zoology enhance enterprising skills of students.

POs8-The global practices in terms of academic standards and evaluation strategies.

POs9- Provides opportunity for the mobility of the student both within and across the world.

POs 10-The uniform grading system will benefit the students to move across institutions within India to begin with and across countries.

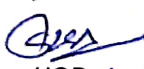
POs11-It will also enable potential employers in assessing the performance of the candidates across the world. Credit distribution for the course


Course Outcomes (COs):

1. After successful accomplishment of the course, the learners will be able to acquire better understanding and comprehensive knowledge regarding most of the essential aspects of Molecular Biology subject which in turn will provide a fantastic opportunity to develop professional skill related to the field of molecular biology.

2. The course will mainly focus on the study of principal molecular events of cell incorporating DNA Replication, Transcription and Translation in prokaryotic as well as eukaryotic organisms.

3. Acquiring knowledge on instrumentation and techniques in biology.


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SUBJECT –ZOOLOGY

Semester – B.Sc 4th sem

PROGRAM OUTCOMES:

POs1-The Programme offers both classical as well as modern concepts of Zoology in higher education.

POs2-It enables the students to study animal diversity in both local and global environments.

POs3-To make the study of animals more interesting and relevant to human studies more emphasis is given to branches like behavioural biology, evolutionary biology and economic zoology.

POs4-More of upcoming areas in cell biology, genetics, molecular biology, biochemistry, genetic engineering and bioinformatics have been also included.

POs5-Equal importance is given to practical learning and presentation skills of students.

POs6-The lab courses provide the students necessary skills required for their employability.

POs7-Skill enhancement courses in classical and applied branches of Zoology enhance enterprising skills of students.

POs8-The global practices in terms of academic standards and evaluation strategies.


POs9- Provides opportunity for the mobility of the student both within and across the world.


POs 10-The uniform grading system will benefit the students to move across institutions within India to begin with and across countries.

POs11-It will also enable potential employers in assessing the performance of the candidates across the world. Credit distribution for the course

Course Outcomes (COs):

1. Acquire knowledge on versatile tools and techniques employed in genetic engineering and recombinant DNA technology.
2. An understanding on application of genetic engineering techniques in basic and applied experimental biology.
3. To acquire a fundamental working knowledge of the basic principles of immunology.
4. To understand how these principles, apply to the process of immune function


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SUBJECT –ZOOLOGY

Semester – B.Sc 5th (5.1)sem

PROGRAM OUTCOMES:

POs1-The Programme offers both classical as well as modern concepts of Zoology in higher education.

POs2-It enables the students to study animal diversity in both local and global environments.

POs3-To make the study of animals more interesting and relevant to human studies more emphasis is given to branches like behavioural biology, evolutionary biology and economic zoology.

POs4-More of upcoming areas like cell biology, genetics, molecular biology, biochemistry, genetic engineering and bioinformatics have been also included.

POs5-Equal importance is given to practical learning and presentation skills of students.

POs6-The lab courses provide the students necessary skills required for their employability.

POs7-Skill enhancement courses in classical and applied branches of Zoology enhance enterprising skills of students.

POs8-The global practices in terms of academic standards and evaluation strategies.

POs9- Provides opportunity for the mobility of the student both within and across the world.

POs 10-The uniform grading system will benefit the students to move across institutions within India to begin with and across countries.

POs11-It will also enable potential employers in assessing the performance of the candidates across the world. Credit distribution for the course

Course Outcomes (COs):


CO1. Group animals on the basis of their morphological characteristics/ Structures.


CO2. Demonstrate comprehensive identification abilities of Non-Chordate diversity.

CO3. Explain structural and functional diversity of Non-Chordates

CO4. Develop understanding on the diversity of life with regard to protists, non-chordates and chordates.

CO 5. Examine the diversity and evolutionary history of a taxon through the construction of a basic phylogenetic/ cladistics tree.


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SUBJECT –ZOOLOGY


Semester – B.Sc 5th (5.2)sem

PROGRAM OUTCOMES:

- POs1-The Programme offers both classical as well as modern concepts of Zoology in higher education.
- POs2-It enables the students to study animal diversity in both local and global environments.
- POs3-To make the study of animals more interesting and relevant to human studies more emphasis is given to branches like behavioural biology, evolutionary biology and economic zoology.
- POs4-More of upcoming areas in cell biology, genetics, molecular biology, biochemistry, genetic engineering and bioinformatics have been also included.
- POs5-Equal importance is given to practical learning and presentation skills of students.
- POs6-The lab courses provide the students necessary skills required for their employability.
- POs7-Skill enhancement courses in classical and applied branches of Zoology enhance enterprising skills of students.
- POs8-The global practices in terms of academic standards and evaluation strategies.
- POs9- Provides opportunity for the mobility of the student both within and across the world.

Course Outcomes (COs):

- CO1: Understand the basic concept, diversity and classification of Chordates
- CO2: Demonstrate comprehensive identification abilities of chordate diversity
- CO3: Understand evolutionary relationship amongst all chordates
- CO4: Understand the external morphology and sexual dimorphism in chordates.
- CO5: Understand arrangement of endoskeleton of vertebrates.
- CO6: Know the comparative anatomy of various systems, adaptations, physiological mechanisms of vertebrates.


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SUBJECT –ZOOLOGY

Semester – B.Sc 6th (6.1)sem

PROGRAM OUTCOMES:

POs1-The Programme offers both classical as well as modern concepts of Zoology in higher education.

POs2-It enables the students to study animal diversity in both local and global environments.

POs3-To make the study of animals more interesting and relevant to human studies more emphasis is given to branches like behavioural biology, evolutionary biology and economic zoology.

POs4-More of upcoming areas in cell biology, genetics, molecular biology, biochemistry, genetic engineering and bioinformatics have been also included.

POs5-Equal importance is given to practical learning and presentation skills of students.

POs6-The lab courses provide the students necessary skills required for their employability.

POs7-Skill enhancement courses in classical and applied branches of Zoology enhance enterprising skills of students.

POs8-The global practices in terms of academic standards and evaluation strategies.

POs9- Provides opportunity for the mobility of the student both within and across the world.

Course Outcomes (COs):

CO 1: Understand that by biological evolution we mean that many of the organisms that inhabit the earth today are different from those that inhabited it in the past.


CO 2: Understand that natural selection is one of several processes that can bring about evolution, although it can also promote stability rather than change.


CO 3: Understand how the single cell formed at fertilization forms an embryo and then a full adult organism.

CO 4: Integrate genetics, molecular biology, biochemistry, cell biology, anatomy and physiology during embryonic development.

CO 5: Understand a variety of interacting processes, which generate an organism's heterogeneous shapes, size, and structural features.

CO 6 : Understand how a cell behaves in response to an autonomous determinant or an external signal, and the scientific reasoning exhibited in experimental life science.


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SUBJECT –ZOOLOGY

Semester – B.Sc 6th (6.2)sem

PROGRAM OUTCOMES:

POs1-The Programme offers both classical as well as modern concepts of Zoology in higher education.

POs2-It enables the students to study animal diversity in both local and global environments.

POs3-To make the study of animals more interesting and relevant to human studies more emphasis is given to branches like behavioural biology, evolutionary biology and economic zoology.

POs4-More of upcoming areas in cell biology, genetics, molecular biology, biochemistry, genetic engineering and bioinformatics have been also included.

POs5-Equal importance is given to practical learning and presentation skills of students.

POs6-The lab courses provide the students necessary skills required for their employability.

POs7-Skill enhancement courses in classical and applied branches of Zoology enhance enterprising skills of students.

POs8-The global practices in terms of academic standards and evaluation strategies.

POs9- Provides opportunity for the mobility of the student both within and across the world.

Course Outcomes (COs):

CO 1: Develop an understanding of how animals interact with each other and their natural environment.


CO 2: Get knowledge about all types of ecosystems, food chains, webs and energy models.

CO 3: Study various types of environmental pollutions

CO 4: Develop the ability to use the fundamental principles of wildlife ecology to solve local, regional and national conservation and management issues.

CO 5: Gain an appreciation for the modern scope of scientific inquiry in the field of wildlife conservation management.

CO 6: Develop an ability to analyze, present and interpret wildlife conservation management information


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CO 3: Study various types of environmental pollutions


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SUBJECT – PHYSICS

Semester – B.Sc 1st

Programme Outcomes (POs)

PO-1: Discipline Knowledge: Knowledge of science and ability to apply to relevant areas.
PO-2: Problem solving: Execute a solution process using first principles of science to solve problems related to respective discipline.

PO-3: Modern tool usage: Use modern scientific, engineering and IT tool or technique for solving problems in the areas of their discipline.

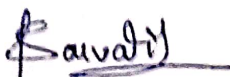
PO-4: Ethics: Apply the professional ethics and norms in respective discipline.

PO-5: Individual and teamwork: Work effectively as an individual as a team member in a multidisciplinary team.

PO-6: Communication: Communicate effectively with the stakeholders, and give and receive clear instructions.

Course Outcomes (COs): After the successful completion of the course, the student will be able to

- i. Fixing units, tabulation of observation, analysis of data.
- ii. Accuracy of measurement and sources of errors, importance of significant figures.
- iii. Knowledge of how g can be determined experimentally and derive satisfaction.
- iv. Measuring surface tension and viscosity and appreciate the methods adopted.


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SUBJECT – PHYSICS

Semester – B.Sc 2nd

Programme Outcomes (POs)

- PO-1: Discipline Knowledge: Knowledge of science and ability to apply to relevant areas.
PO-2: Problem solving: Execute a solution process using first principles of science to solve problems related to respective discipline.
PO-3: Modern tool usage: Use modern scientific, engineering and IT tool or technique for solving problems in the areas of their discipline.
PO-4: Ethics: Apply the professional ethics and norms in respective discipline.
PO-5: Individual and teamwork: Work effectively as an individual as a team member in a multidisciplinary team.
PO-6: Communication: Communicate effectively with the stakeholders and give and receive clear instructions.

Course Outcomes (COs): After the successful completion of the course, the student will be able to:

- Describe the magnetic field produced by magnetic dipoles and electric currents.
- Explain Faraday lenz and Maxwell laws to relationship between electric and magnetic fields.
- Apply Kirchhoff's rules to analyze AC circuits consisting of parallel or series combination of voltage sources and resistors and to describe the graphical relationship of resistance, capacitor and inductor.



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GODUTAI DODDAPPA APPA ARTS COMMERCE AND SCIENCE DEGREE COLLEGE FOR WOMEN KALABURGI

SUBJECT – PHYSICS

Semester – B.Sc 3rd

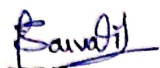
Program Outcomes:


1. Disciplinary knowledge
2. Communication Skills
3. Critical thinking, Reflective thinking, Analytical reasoning, Scientific reasoning
4. Problem-solving
5. Research-related skills
6. Cooperation/Teamwork/Leadership readiness/Qualities
7. Information/ Digital literacy/Modern Tool Usage
8. Environment and Sustainability
9. Multicultural competence
10. Multi-Disciplinary
11. Moral and ethical awareness/Reasoning
12. Lifelong learning / Self Directed Learning

Course Learning Outcomes

At the end of the course students will be able to:

- i. Identify different types of waves by looking into their characteristics.
- ii. Formulate a wave equation and obtain the expression for different parameters associated with waves.
- iii. Explain and give a mathematical treatment of the superposition of waves under different conditions, such as, when they overlap linearly and perpendicularly with equal or different frequencies and equal or different phases.
- iv. Describe the formation of standing waves and how the energy is transferred along the standing wave in different applications, and mathematically model in the case of stretched string and vibration of a rod.
- v. Give an analytical treatment of resonance in the case of open and closed pipes in general and Helmholtz resonators in particular.
- vi. Describe the different parameters that affect the acoustics in a building, measure it and control it.
- vii. Give the different models of light propagation and phenomenon associated and measure the parameters like the wavelength of light using experiments like Michelson interferometer, interference and thin films.


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GODUTAI DODDAPPA APPA ARTS COMMERCE AND SCIENCE DEGREE COLLEGE FOR WOMEN KALABURGI

SUBJECT – PHYSICS

Semester – B.Sc 4th

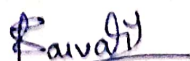
Program Outcomes:

1. Disciplinary knowledge
2. Communication Skills
3. Critical thinking, Reflective thinking, Analytical reasoning, Scientific reasoning
4. Problem-solving
5. Research-related skills
6. Cooperation/ Teamwork/ Leadership readiness/Qualities
7. Information/ Digital literacy/Modern Tool Usage
8. Environment and Sustainability
9. Multicultural competence
10. Multi-Disciplinary
11. Moral and ethical awareness/Reasoning
12. Lifelong learning / Self Directed Learning

Course Learning Outcomes

At the end of the course students will be able to:

- i. Apply the laws of thermodynamics and analyze the thermal system.
- ii. Apply the laws of kinetic theory and radiation laws to the ideal and practical thermodynamics systems through derived thermodynamic relations.
- iii. Use the concepts of semiconductors to describe different Semiconductor devices such as diode transistors, BJT, FET etc and explain their functioning.
- iv. Explain the functioning of OP-AMPS and use them as the building blocks of logic gates.
- v. Give the use of logic gates using different theorems of Boolean Algebra followed by logic circuits.



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GODUTAI DODDAPPA APPA ARTS COMMERCE AND SCIENCE DEGREE COLLEGE FOR WOMEN KALABURGI

SUBJECT – PHYSICS

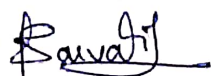
Semester – B.Sc 5th (5.1)

Program Outcomes:

1. Disciplinary knowledge
2. Communication Skills
3. Critical thinking, Reflective thinking, Analytical reasoning, Scientific reasoning
4. Problem-solving
5. Research-related skills
6. Cooperation/ Teamwork/ Leadership readiness/Qualities
7. Information/ Digital literacy/Modern Tool Usage
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12. Lifelong learning / Self Directed Learning

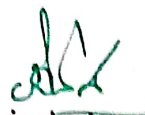
Course Outcomes (COs): After the successful completion of the course, the student will be able to

- Identify the failure of classical physics at the microscopic level.
- Find the relationship between the normalization of a wave function and the ability to correctly calculate expectation values or probability densities.
- Explain the minimum uncertainty of measuring both observables on any quantum state
- Describe the time-dependent and time-independent Schrödinger equation for simple potentials like for instance one-dimensional potential well and Harmonic oscillator.
- Apply Hermitian operators, their eigenvalues and eigenvectors to find various commutation and uncertainty relations.



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GODUTAI DODDAPPA APPA ARTS COMMERCE AND SCIENCE DEGREE COLLEGE FOR WOMEN KALABURGI

SUBJECT – PHYSICS

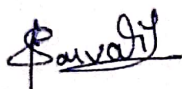
Semester – B.Sc 5th (5.2)

Program Outcomes:

1. Disciplinary knowledge
2. Communication Skills
3. Critical thinking, Reflective thinking, Analytical reasoning, Scientific reasoning
4. Problem-solving
5. Research-related skills
6. Cooperation/ Teamwork/ Leadership readiness/Qualities
7. Information/ Digital literacy/Modern Tool Usage
8. Environment and Sustainability
9. Multicultural competence
10. Multi-Disciplinary
11. Moral and ethical awareness/Reasoning
12. Lifelong learning / Self Directed Learning

Course Outcomes (COs): After the completion of the course, the student will be able to

- Describe atomic properties using basic atomic models.
- Interpret atomic spectra of elements using vector atom model.
- Interpret molecular spectra of compounds using basics of molecular physics.
- Explain laser systems and their applications in various fields.



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GODUTAI DODDAPPA APPA ARTS COMMERCE AND SCIENCE DEGREE COLLEGE FOR WOMEN KALABURGI

SUBJECT – PHYSICS

Semester – B.Sc 6th (6.1)

Program Outcomes:

1. Disciplinary knowledge
2. Communication Skills
3. Critical thinking, Reflective thinking, Analytical reasoning, Scientific reasoning
4. Problem-solving
5. Research-related skills
6. Cooperation/ Teamwork/ Leadership readiness/Qualities
7. Information/ Digital literacy/Modern Tool Usage
8. Environment and Sustainability
9. Multicultural competence
10. Multi-Disciplinary
11. Moral and ethical awareness/Reasoning
12. Lifelong learning / Self Directed Learning

Course Outcomes (COs): After the successful completion of the course, the student will be able to:

- Explain the basic properties of nucleus and get the idea of its inner information.
- Understand the concepts of binding energy and binding energy per nucleon v/s mass number graph.
- Describe the processes of alpha, beta and gamma decays based on well-established theories.
- Explain the basic aspects of interaction of gamma radiation with matter by photoelectric effect, Compton scattering and pair production.
- Explain the different nuclear radiation detectors such as ionization chamber, Geiger-Mueller counter etc.
- Explain the basic concept of scintillation detectors, photo-multiplier tube and semiconductor detectors



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**GODUTAI DODDAPPA APPA ARTS COMMERCE AND
SCIENCE DEGREE COLLEGE FOR WOMEN KALABURGI**
SUBJECT – PHYSICS Semester – B.Sc 6th (6.2)

Program Outcomes:

1. Disciplinary knowledge
2. Communication Skills
3. Critical thinking, Reflective thinking, Analytical reasoning, Scientific reasoning
4. Problem-solving
5. Research-related skills
6. Cooperation/ Teamwork/ Leadership readiness/Qualities
7. Information/ Digital literacy/Modern Tool Usage
8. Environment and Sustainability
9. Multicultural competence
10. Multi-Disciplinary
11. Moral and ethical awareness/Reasoning
12. Lifelong learning / Self Directed Learning

Course Outcomes (COs): After the successful completion of the course, the student will be able to:

- Identify different types of tests and measuring instruments used in practice and understand their basic working principles.
- Get hands on training in wiring a circuit, soldering, making a measurement using an electronic circuit used in instrumentation.
- Have an understanding of the basic electronic components viz., resistors, capacitors, inductors, discrete and integrated circuits, colour codes, values and pin diagram, their practical use.
- Understanding of the measurement of voltage, current, resistance value, identification of the terminals of a transistor and ICs.
- Identify and understand the different types of transducers and sensors used in robust and hand-held instruments.
- Understand and give a mathematical treatment of the working of rectifiers, filter, data converters and different types of transducers.
- Connect the concepts learnt in the course to their practical use in daily life.



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GODUTAI DODDAPPA APPA ARTS COMMERCE AND SCIENCE DEGREE COLLEGE FOR WOMEN KALABURGI

SUBJECT – CHEMISTRY

Semester – B.Sc 1st sem

PROGRAM OUTCOMES:

1. PO. 1: To create enthusiasm among students for Analytical chemistry and its application in various fields of life.
2. PO. 2: To provide students with broad and balanced knowledge and understanding of key concepts in Analytical chemistry
3. PO. 3: To develop in students a range of practical skills so that they can understand and assess risks and work safely measures to be followed in the laboratory.
4. PO. 4: To develop in students the ability to apply standard methodology to the solution of problems in chemistry
5. PO. 5: To provide students with knowledge and skill towards employment or higher education in Analytical chemistry or multi-disciplinary areas involving Analytical chemistry.
6. PO. 6: To provide students with the ability to plan and carry out experiments independently and assess the significance of outcomes and to cater to the demands of chemical Industries of well-trained graduates
7. PO. 7: To develop in students the ability to adapt and apply methodology to the solution of unfamiliar types of problems.
8. PO. 8: To instil critical awareness of advances at the forefront of chemical sciences, to prepare students effectively for professional employment or research degrees in chemical sciences and to develop an independent and responsible work ethics.

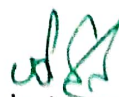
Course Outcomes (COs):

1. The concepts of chemical analysis, accuracy, precision and statistical data treatment
 2. Prepare the solutions after calculating the required quantity of salts in preparing the reagents/solutions and dilution of stock solution.
 3. The concept of volumetric and gravimetric analysis and deducing the conversion factor for determination
 4. Handling of toxic chemicals, concentrated acids and organic solvents and practice safety procedures.
 5. The concepts of Organic reactions and techniques of writing the movement of electrons, bond breaking, bond forming
 6. The Concept of aromaticity, resonance, hyper conjugation, etc.
 7. Understand the preparation of alkanes, alkenes and alkynes, their reactions, etc.
 8. Understand the mechanism of nucleophilic, electrophilic reactions
- Course Articulation Matrix



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SUBJECT – CHEMISTRY

Semester – B.Sc 2nd sem

Programme Outcomes (POs)

1. PO. 1: To create enthusiasm among students for Analytical chemistry and its application in various fields of life.
2. PO. 2: To provide students with broad and balanced knowledge and understanding of key concepts in Analytical chemistry
3. PO. 3: To develop in students a range of practical skills so that they can understand and assess risks and work safely measures to be followed in the laboratory.
4. PO. 4: To develop in students the ability to apply standard methodology to the solution of problems in chemistry
5. PO. 5: To provide students with knowledge and skill towards employment or higher education in Analytical chemistry or multi-disciplinary areas involving Analytical chemistry.
6. PO. 6: To provide students with the ability to plan and carry out experiments independently and assess the significance of outcomes and to cater to the demands of chemical Industries of well-trained graduates
7. PO. 7: To develop in students the ability to adapt and apply methodology to the solution of unfamiliar types of problems.
8. PO. 8: To instil critical awareness of advances at the forefront of chemical sciences, to prepare students effectively for professional employment or research degrees in chemical sciences and to develop an independent and responsible work ethics.

Course Outcomes (COs):

- i. The Bohrs theory of atomic structure and how it was developed.
- ii. Quantum numbers and their necessity in explaining the atomic structure.
- iii. The concept of unit cell symmetry elements Nernst distribution law .
- iv. Explain to liquid crystals and forms of liquid.



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GODUTAI DODDAPPA APPA ARTS COMMERCE AND SCIENCE DEGREE COLLEGE FOR WOMEN KALABURGI

SUBJECT – CHEMISTRY

Semester – B.Sc 3rd sem

Program Outcomes:

- 1) Interrelationship among frequency, wavelength and wave number and importance of validation parameters of an instrumental method will be taught
- 2) Principle, instrumentation and applications of spectrophotometry, nephelometry and turbidometry will be taught
- 3) Fundamentals of separation methods and principles of paper, thin layer and column chromatography will be taught
- 4) Principle, types and applications of solvent extraction will be taught
- 5) Principle and mechanism of ion-exchange, types of resins and domestic and industrial applications of ion-exchange chromatography will be taught
- 6) The concept of mechanism and its importance will be taught to the student
- 7) Concept and importance of intermediates in organic chemistry will be taught taking proper examples
- 8) The various techniques for identification of reaction mechanism will be taught to the student taking proper examples
- 9) Concept of stereochemistry and its importance will be taught.
- 10) The various projection formulae and the techniques of designating the molecules into R, S, D, L will be taught taking proper examples
- 11) The theory and concept of Cis-, Trans- isomerism and its importance and the techniques to differentiate between them will be taught taking example

Course Specific Outcomes

- 1) Understand the importance of fundamental law and validation parameters in chemical analysis
- 2) Know how different analytes in different matrices (water and real samples) can be determined by spectrophotometric, nephelometric and turbidometric methods.
- 3) Understand the requirement for chemical analysis by paper, thin layer and column chromatography.
- 4) Apply solvent extraction method for quantitative determination of metal ions in different samples
- 5) Utilize the ion-exchange chromatography for domestic and industrial applications
- 6) Explain mechanism for a given reaction.
- 7) Predict the probable mechanism for an reaction Explain the importance of reaction intermediates, its role and techniques of generating such intermediates
- 8) Explain the importance of Stereochemistry in predicting the structure and property of organic molecules.


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SUBJECT – CHEMISTRY

Semester – B.Sc 4th sem

Program Outcomes:

1. Different types of bonding in molecules/compounds/ions
2. The structures of molecules/compounds/ions based on different models/theories
3. Properties of compounds based on bonding and structure
4. The fundamentals of thermodynamics including the laws, the concept of entropy and free energy functions and their applications.
5. The concepts of surface chemistry, catalysis and their applications.
6. The theoretical and experimental aspects of chemical kinetics including basic theories of reaction rates and methods of determining order.
7. Electrochemistry dealing with electrolytes in solution. Conductance measurements and applications. Concept of ionic mobility and their determination.

Course Learning Outcomes

1. Predict the nature of the bond formed between different elements
2. Identify the possible type of arrangements of ions in ionic compounds
3. Write Born - Haber cycle for different ionic compounds
4. Relate different energy parameters like, lattice energy, entropy, enthalpy and solvation energy in the dissolution of ionic solids
5. Explain covalent nature in ionic compounds
6. Write the M.O. energy diagrams for simple molecules
7. Differentiate bonding in metals from their compounds
8. Learn important laws of thermodynamics and their applications to various thermodynamic systems
9. Understand adsorption processes and their mechanisms and the function and purpose of a catalyst



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GODUTAI DODDAPPA APPA ARTS COMMERCE AND SCIENCE DEGREE COLLEGE FOR WOMEN KALABURGI

SUBJECT – CHEMISTRY

Semester – B.Sc 5th (5.1)

Program Outcomes:

1. Disciplinary knowledge
2. Communication Skills
3. Critical thinking, Reflective thinking, Analytical reasoning, Scientific reasoning
4. Problem-solving
5. Research-related skills
6. Cooperation/ Teamwork/ Leadership readiness/Qualities
7. Information/ Digital literacy/Modern Tool Usage
8. Environment and Sustainability
9. Multicultural competence
10. Multi-Disciplinary
11. Moral and ethical awareness/Reasoning
12. Lifelong learning / Self Directed Learning

Course Outcomes (COs): After the successful completion of the course, the student will be able to

- The concept of coordination compounds, metal ligand equilibria in solution, isomerism in coordination compounds.
- To concept of Aromaticity, stereochemistry vitamins.
- The concept of photochemistry, photophysical process, phase equilibria.
- The concept of molecular spectroscopy, electromagnetic radiation, vibrational spectroscopy, Raman spectroscopy, electronic spectra.


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**GODUTAI DODDAPPA APPA ARTS COMMERCE AND
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SUBJECT – CHEMISTRY

Semester – B.Sc 5th (5.2)

Program Outcomes:

1. Disciplinary knowledge
2. Communication Skills
3. Critical thinking, Reflective thinking, Analytical reasoning, Scientific reasoning
4. Problem-solving
5. Research-related skills
6. Cooperation/ Teamwork/ Leadership readiness/Qualities
7. Information/ Digital literacy/Modern Tool Usage
8. Environment and Sustainability
9. Multicultural competence
10. Multi-Disciplinary
11. Moral and ethical awareness/Reasoning
12. Lifelong learning / Self Directed Learning

Course Outcomes (COs):

- Modern concept of acid and bases.
- Carbohydrates
- Quantum mechanics: Depression in freezing point, osmotic pressure
- Visible spectroscopy: Woodward Fieser rule.



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GODUTAI DODDAPPA APPA ARTS COMMERCE AND SCIENCE DEGREE COLLEGE FOR WOMEN KALABURGI

SUBJECT –CHEMISTRY

Semester – B.Sc 6th (6.1)

Program Outcomes:

1. Disciplinary knowledge
2. Communication Skills
3. Critical thinking, Reflective thinking, Analytical reasoning, Scientific reasoning
4. Problem-solving
5. Research-related skills
6. Cooperation/ Teamwork/ Leadership readiness/Qualities
7. Information/ Digital literacy/Modern Tool Usage
8. Environment and Sustainability
9. Multicultural competence
10. Multi-Disciplinary
11. Moral and ethical awareness/Reasoning
12. Lifelong learning / Self Directed Learning

Course Outcomes (COs):

- The concept of Metal legend bonding, crystal field theory, Magnetic properties of coordination compounds.
- The concept of Aromatic electrophillic substitution reactions, Aromatic nuceophillic substitution reaction, addition reaction, elimination reaction.
- The concept of Ionic equilibria, electrochemistry, reference electrodes.
- The concept of Infrared spectroscopy, coordination compounds.



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**GODUTAI DODDAPPA APPA ARTS COMMERCE AND
SCIENCE DEGREE COLLEGE FOR WOMEN KALABURGI**
SUBJECT – CHEMISTRY Semester – B.Sc 6th (6.2)

Program Outcomes:

1. Disciplinary knowledge
2. Communication Skills
3. Critical thinking, Reflective thinking, Analytical reasoning, Scientific reasoning
4. Problem-solving
5. Research-related skills
6. Cooperation/ Teamwork/ Leadership readiness/Qualities
7. Information/ Digital literacy/Modern Tool Usage
8. Environment and Sustainability
9. Multicultural competence
10. Multi-Disciplinary
11. Moral and ethical awareness/Reasoning
12. Lifelong learning / Self Directed Learning

Course Outcomes (COs):

- The concept of paints ceramics, fertilizers, silicates, nanotechnology, propellants, abrasives.
- The concept of organic chemistry rearrangements, amino acids and peptides.
- The concept of chemical dynamics, complex reaction, kinetics of homogeneous catalysis.
- The concept of NMR spectroscopy, Structural determination of NMR.



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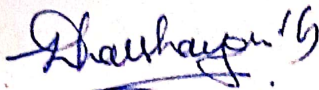
Department of Political Science

Program Learning Outcomes in Political Science of BA:

At the end of the successful completion of the course, the students will be able to

- Acquire domain knowledge.
- Study and analyze political contexts from critical and constructive prospective.
- Have a better understanding of the working of various political institutions including decentralized institutions state legislatures and parliament and relate this functioning to the greater cause of nation building as a responsible citizen.
- Assess how global national and regional development affect polity and society.
- To gain critical thinking and develop the ability to make logical inferences about socio-economic and political issues, on the basis of comparative and contemporary political discourses in India.
- Contemplate about national and international issues involving States having different political ideologies and historical contexts.
- Pursue higher education such as Post Graduate Studies and Research in Political Science and in other interdisciplinary areas to provide qualitative insights to create a better world.

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Smt. Dhakshayani G. Hiregoudaru


Principal

Dr. Puttamani Devidas

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Department of Political Science

Course Outcomes in Political Science of BA

BA I [DSC 1]Semester :

- Political Science, theoretically and will gain knowledge to explain and analyze politics at large.
- The dynamics of politics.
- To inculcate the democratic spirit

BA I [DSC2] Semester

At the end of the course the students shall understand –

- The nature and relevance of Political Theory.
- The different concepts like Liberty, Equality, Justice and Rights.
- To reflect upon some of the important debates in Political Theory

BA II sem [DSC 3] Western political thought

- * students shall understand and get an introduction to the schools of political thought and theory making in the west.
- * Introduce the richness and variations in the political perception of western thinkers.
- * Familiarize themselves to the thought and theory of western philosophy.

BA II sem [DSC 4] Indian national movement and constitutional development

- Understand how the colonial rule was overthrown by the Indian nationalists.
- Appreciate the ideals and values of Gandhi that resulted in freedom.
- Examine the problem of Independent India and the role played by great leaders in solving them.

BA III sem [DSC 5] Indian government and politics

- Learn how the governments both at the union as well state level operates and what are its challenges.
- Understand the characteristic of power structures in Indian and the response of the political parties to the socio-political dynamics.
- Measure and understand the effects of judicial decision on policy making and social development in Indian.

BA III sem [DSC 6] Parliamentary procedures in India.

- Aim at understanding the procedural aspects of parliamentary system of government s.
- Learn about the privileges of peoples representative and match it with their performance.
- Understand the working of committees, budgetary aspect and deliberative mechanism within the parliament.

BA IV sem [DSC 7] Ancient Indian political ideas and institution

- Reflect on the native concepts like Dharma, Rajadharma , Nyaya, viveka etc. in the light of their modern connotations
- Understand the role of text and stories in the Indian context by reflecting upon our own experiences.
- Revisit our own socio-political structures through the textual and non textual sources from the early Indian period in order to quell European representation of Indian society and heritage.

BA IV sem [DSC 8] Modern political analysis

- Understand the key concepts of political institutional working and science within them .
- Be familiar with the phenomenon of politics and various explanations relating to the influences that mould the decision making process.
- Help the students to visualize the working political institution and the process of decision making through diagrammatic presentations.

BA Vth Sem[DSC -9][International Relations –Basic Concepts]

*This course aims at usefulness of studying international relations as a discipline.

*It helps the students to explain and express the consequences of good relations with neighbouring nations and far of nations, the economic, cultural, industrial and technological benefits one can reap through meaningful relationship between nation.

BA Vth Sem [DSC-10]Comparative Government and politics

*In this paper the functioning of the Governments UK,USA,CHINA are to be compared and analyzed.

* It helps the students to understand and debate various matters pertaining to the governments.

*Students knowledge and critical understanding of different political systems and institution in the world.

BA Vth Sem [DSC-11] Karnataka government and politics

- The course helps to understanding political transformation Karnataka state from princely state of mysore,
- It aims at understanding of social issues that confronted the evolution of Karnataka politics .

BA VI Sem [DSC-12] International Relations Theoretical Aspects.

*To give an outline of the conceptual approaches to the discipline of international relations and illustrate the major

*It explains the prominent debates in international relations and vividly shows how they can be operationalised.

BA VI Sem [DSC-13] Public policy analysis

*This course helps the students to need of policies and methods of their formulation .

*It gives an opportunity to analyse policies and its impact

BA VI Sem [DSC-14] Modern Indian political thinkers

*The aim to make students uerstand the major ideas of modern Indian political thinkers and their impact on making of modern India.

*It helps the students to motivate the students reflect about contemporary political scenario and think about political solutions.

HOD



Smt.Dhakshayani.G .Hiregoudaru


Principal

Dr.Puttamani Devidas

**GODUTAI DODDAPPA APPA ARTS COMMERCE AND
SCIENCE DEGREE COLLEGE FOR WOMEN KALABURGI**
SUBJECT –MATHEMATICS Semester – B.Sc 1st sem

PROGRAM OUTCOMES:

PO 1 Disciplinary Knowledge : Bachelor degree in Mathematics is the culmination of in-depth knowledge of Algebra, Calculus, Geometry, differential equations and several other branches of pure and applied mathematics. This also leads to study the related areas such as computer science and other allied subjects.

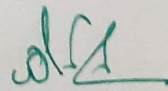
PO 2 Communication Skills: Ability to communicate various mathematical concepts effectively using examples and their geometrical visualization. The skills and knowledge gained in this program will lead to the proficiency in analytical reasoning which can be used for modeling and solving of real life problems.

PO 3 Critical thinking and analytical reasoning: The students undergoing this programme acquire ability of critical thinking and logical reasoning and capability of recognizing and distinguishing the various aspects of real life problems.

COURSE OUTCOMES:

This course will enable the students to

- 1 Learn to find the rank of matrix and inverse of matrix by normal and Echelon form.
- 2 Solve the system of homogeneous and non- homogeneous linear of m equations in n variables by using concept of rank of matrix, finding eigen values and eigen vectors. Use of Cayley-Hamilton Theorem.
- 3 Understand the concept of differentiation and fundamental theorems in differentiation and various rules.
- 4 Students will be familiar with the techniques of n th differentiation of function with real variables.


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**GODUTAI DODDAPPA APPA ARTS COMMERCE AND
SCIENCE DEGREE COLLEGE FOR WOMEN KALABURGI**
SUBJECT -MATHEMATICS Semester – B.Sc 2st sem

PROGRAM OUTCOMES:

PO 1 Disciplinary Knowledge : Bachelor degree in Mathematics is the culmination of in-depth knowledge of Algebra, Calculus, Geometry, differential equations and several other branches of pure and applied mathematics. This also leads to study the related areas such as computer science and other allied subjects.

PO 2 Communication Skills: Ability to communicate various mathematical concepts effectively using examples and their geometrical visualization. The skills and knowledge gained in this program will lead to the proficiency in analytical reasoning which can be used for modeling and solving of real life problems.

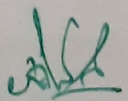
PO 3 Critical thinking and analytical reasoning: The students undergoing this programme acquire ability of critical thinking and logical reasoning and capability of recognizing and distinguishing the various aspects of real life problems.

PO 4 Moral and ethical awareness/reasoning: : The student completing this program will develop an ability to identify unethical behavior such as fabrication, falsification or misinterpretation of data and adopting objectives, unbiased and truthful actions in all aspects of life in general and Mathematical studies in particular.

COURSE OUTCOMES:

This course will enable the students to

- 1 Apply these techniques to solve and analyze various mathematical models.
- 2 Understand the fundamental properties of the real numbers that lead to define sequence and series, the formal development of real analysis.
- 3 Learn the concept of Convergence and Divergence of a sequence.
- 4 Able to handle and understand limits and their use in sequences, series, differentiation, and integration.
- 5 Apply the ratio, root, alternating series, and limit comparison tests for convergence and absolute convergence of an infinite series.
- 6 Understand the relationship between differentiation and integration.


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**GODUTAI DODDAPPA APPA ARTS COMMERCE AND
SCIENCE DEGREE COLLEGE FOR WOMEN KALABURGI**
SUBJECT -MATHEMATICS Semester – B.Sc 3st sem

PROGRAM OUTCOMES:

PO 1 Disciplinary Knowledge : Bachelor degree in Mathematics is the culmination of in-depth knowledge of Algebra, Calculus, Geometry, differential equations and several other branches of pure and applied mathematics. This also leads to study the related areas such as computer science and other allied subjects.

PO 2 Problem Solving : The Mathematical knowledge gained by the students through this programme develop an ability to analyze the problems, identify and define appropriate computing requirements for its solutions. This programme enhances students overall development and also equip them with mathematical modelling ability, problem solving skills.

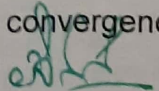
PO 3 Self – directed learning: The student completing this program will develop an ability of working independently and to make an in-depth study of various notions of Mathematics.

PO 4 Moral and ethical awareness/reasoning: : The student completing this program will develop an ability to identify unethical behavior such as fabrication, falsification or misinterpretation of data and adopting objectives, unbiased and truthful actions in all aspects of life in general and Mathematical studies in particular.

COURSE OUTCOMES:

This course will enable the students to

- 1 Solve first-order non-linear differential equations and linear differential equations.
- 2 To model problems in nature using Ordinary Differential Equations.
- 3 Formulate differential equations for various mathematical models
- 4 Apply these techniques to solve and analyze various mathematical models.
- 5 Understand the fundamental properties of the real numbers that lead to define sequence and series, the formal development of real analysis.
- 6 Learn the concept of Convergence and Divergence of a sequence.
- 7 Able to handle and understand limits and their use in sequences, series, differentiation, and integration.
- 8 Apply the ratio, root, alternating series, and limit comparison tests for convergence and absolute convergence of an infinite series.


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**GODUTAI DODDAPPA APPA ARTS COMMERCE AND
SCIENCE DEGREE COLLEGE FOR WOMEN KALABURGI**
SUBJECT -MATHEMATICS **Semester – B.Sc 4st sem**

PROGRAM OUTCOMES:

PO 1 Disciplinary Knowledge : Bachelor degree in Mathematics is the culmination of in-depth knowledge of Algebra, Calculus, Geometry, differential equations and several other branches of pure and applied mathematics. This also leads to study the related areas such as computer science and other allied subjects.

PO 2 Problem Solving : The Mathematical knowledge gained by the students through this programme develop an ability to analyze the problems, identify and define appropriate computing requirements for its solutions. This programme enhances students overall development and also equip them with mathematical modelling ability, problem solving skills.

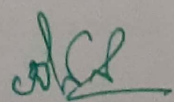
PO 3 Self – directed learning: The student completing this program will develop an ability of working independently and to make an in-depth study of various notions of Mathematics.

PO 4 Moral and ethical awareness/reasoning: : The student completing this program will develop an ability to identify unethical behavior such as fabrication, falsification or misinterpretation of data and adopting objectives, unbiased and truthful actions in all aspects of life in general and Mathematical studies in particular.

COURSE OUTCOMES:

This course will enable the students to

- 1 Solve the Partial Differential Equations of the first order and second order
- 2 Formulate, classify and transform partial differential equations into canonical form.
- 3 Solve linear and non-linear partial differential equations using various methods; and apply these methods to solving some physical problems.
- 4 Able to take more courses on wave equation, heat equation, and Laplace equation.
- 5 Solve PDE by Laplace Transforms and Fourier Transforms


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**GODUTAI DODDAPPA APPA ARTS COMMERCE AND
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SUBJECT -MATHEMATICS **Semester – B.Sc 5st sem (5.1)**

PROGRAM OUTCOMES:

PO 1 Disciplinary Knowledge : Bachelor degree in Mathematics is the culmination of in-depth knowledge of Algebra, Calculus, Geometry, differential equations and several other branches of pure and applied mathematics. This also leads to study the related areas such as computer science and other allied subjects.

PO 2 Communication Skills: Ability to communicate various mathematical concepts effectively using examples and their geometrical visualization. The skills and knowledge gained in this program will lead to the proficiency in analytical reasoning which can be used for modeling and solving of real life problems.

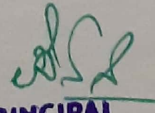
PO 3 Critical thinking and analytical reasoning: The students undergoing this programme acquire ability of critical thinking and logical reasoning and capability of recognizing and distinguishing the various aspects of real life problems.

PO 4 Research related skills: The completing this programme develop the capability of inquiring about appropriate questions relating to the Mathematical concepts in different areas of Mathematics.

COURSE OUTCOMES:

This course will enable the students to

1. Carry out certain computations such as computing upper and lower Riemann sums as well integrals
2. Describe various criteria for Integrability of functions.
3. Exhibit certain properties of mathematical objects such as integrable functions, analytic functions, harmonic functions and so on.
4. Prove some statements related to Riemann integration as well as in complex analysis
5. Carry out the existing algorithms to construct mathematical structures such as analytic functions
6. Applies the gained knowledge to solve various other problems


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**GODUTAI DODDAPPA APPA ARTS COMMERCE AND
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SUBJECT -MATHEMATICS **Semester – B.Sc 5st sem (5.2)**

PROGRAM OUTCOMES:

PO 1 Critical thinking and analytical reasoning: The students undergoing this programme acquire ability of critical thinking and logical reasoning and capability of recognizing and distinguishing the various aspects of real life problems.

PO 2 Problem Solving : The Mathematical knowledge gained by the students through this programme develop an ability to analyze the problems, identify and define appropriate computing requirements for its solutions. This programme enhances students overall development and also equip them with mathematical modelling ability, problem solving skills.

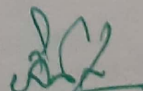
PO 3 Self – directed learning: The student completing this program will develop an ability of working independently and to make an in-depth study of various notions of Mathematics.

PO 4 Ability to peruse advanced studies and research in pure and applied Mathematical sciences.

COURSE OUTCOMES:

This course will enable the students to

1. Get introduced to the fundamentals of vector differential and integral calculus.
2. Get familiar with the various differential operators and their properties.
3. Get acquainted with the various techniques of vector integration.
4. Learn the applications of vector calculus.
5. Recollect the fundamentals of Analytical Geometry in 3D.
6. Interpret the geometrical aspects of planes and lines in 3D.


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**GODUTAI DODDAPPA APPA ARTS COMMERCE AND
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SUBJECT -MATHEMATICS Semester – B.Sc 6st sem (6.1)

PROGRAM OUTCOMES:

PO 1 Information/digital Literacy: The completion of this programme will enable the learner to use appropriate software's to solve system of algebraic equation and differential equations.

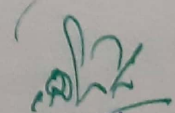
PO 2 Self – directed learning: The student completing this program will develop an ability of working independently and to make an in-depth study of various notions of Mathematics.

PO 3 Ability to peruse advanced studies and research in pure and applied Mathematical sciences.

COURSE OUTCOMES:

This course will enable the students to

1. Understand the concepts of Vector spaces, subspaces, bases dimension and their properties.
2. Become familiar with the concepts Eigen values and eigen vectors, minimal polynomials, linear transformations etc.
3. Learn properties of inner product spaces and determine orthogonality in inner product spaces.
4. Prove various statements in the context of vectors spaces.
5. Realise importance of adjoint of a linear transformation and its canonical form.


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SUBJECT -MATHEMATICS **Semester – B.Sc 6st sem (6.2)**

PROGRAM OUTCOMES:

PO 1 Research related skills: The completing this programme develop the capability of inquiring about appropriate questions relating to the Mathematical concepts in different areas of Mathematics.

PO 2 Moral and ethical awareness/reasoning: : The student completing this program will develop an ability to identify unethical behavior such as fabrication, falsification or misinterpretation of data and adopting objectives, unbiased and truthful actions in all aspects of life in general and Mathematical studies in particular.

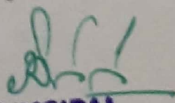
PO 3 Lifelong learning: This programme provides self directed learning and lifelong learning skills. This programme helps the learner to think independently and develop algorithms and computational skills for solving real word problems.

PO 4 Ability to peruse advanced studies and research in pure and applied Mathematical sciences.

COURSE OUTCOMES:

This course will enable the students to

1. Describe various operators arising in numerical analysis such as difference operators, shift operators and so on.
2. Articulate the rationale behind various techniques of numerical analysis such as in finding roots, integrals and derivatives.
3. Reproduce the existing algorithms for various tasks as mentioned previously in numerical analysis.
4. Apply the rules of calculus and other areas of mathematics in justifying the techniques of numerical analysis.
5. Solve problems using suitable numerical technique
6. Appreciate the profound applicability of techniques of numerical analysis in solving real life problems and also appreciate the way the techniques are modified to improve the accuracy.


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Department of English

Course Outcomes

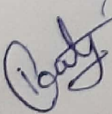
BA I Sem (Optional English)

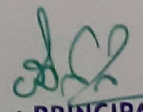
Course Objective

1. To provide introduction to the study of Literature
2. To familiarize the students with the aspects of poetry and drama and guide them as how to read them
3. The students are expected to acquire the basic and practical knowledge about Literature.

Course Outcomes

1. Students become well versed concerning to the concept of literature. Literary history and study.
2. The students get equipped with necessary critical terms by studying the illustrative texts.
3. They begin to use their critical acumen and reflect upon the poetic and dramatic discourse and thus improve their literary competence.


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Course Outcomes

BA II Sem (Optional English)

Course Objective

1. TO familiarize the students with descriptive and analytical lessons on fictional and non-fictional Prose.
2. To introduce the students to the narrative forms of different genres.
3. Introduce the students to the real world through short fictions.

Course Outcomes

1. Students become more conversant with narrative concepts and critical tools and terms.
2. Students after studying fictional and non-fictional prose discourse begin to reflect on them.
3. Students are fully equipped with the plot construction forms through the writers like Jumpa Lahari, Mahasweta Devi, Shashi Deshpande, Diary writers like Anne Frank and others.

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Department of English

Course Outcomes

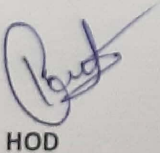
BA III Sem (Optional English)

Course Objective

1. To introduce the students to the history of English literature from Anglo-saxon to Augustan age.
2. To familiarize the students with major writers of different ages.
3. To enable the students to have reading and writing skills.

Course Outcomes

1. Students get to know the different socio-political and literary movements that take place right from Anglo-Saxon periods to the Augustan Age.
2. The students become familiar with Chaucer, through illustrative texts of 'Wife of Bath', Marlowe, Sidney, Bacon and other poets like Donne, Milton are introduced and they also learn different generation of poetry through different ages.
3. The illustrative texts makes the students master over reading skills, coupled with analytical skills and thus enable students to write narrative essays.


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Course Outcomes

BA IVSem (Optional English)

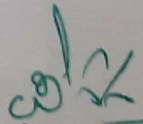
Course Objective

1. To introduce the students to the history of English literature especially to Romantic age, Victorian age, Modern age and Post-modern age .
2. To introduce the history to students through illustrative text of romantic age especially the major poets like Blake, Wordsworth, Coleridge, Byron, Shelly and Keats and novelist like Jane Austen.
3. To introduce the students to the independent reading skills.

Course Outcomes

1. Students understand the Romantic, Victorian, Modern age and its features
2. Students become much more competent on history of English literature by studying illustrative texts like Preface to Lyrical Ballads by Wordsworth, Hard Times by Dickens, Ulysses by James Joyce. They become more familiar with masters of English poetry
3. The illustrative texts make the students master over reading skills, coupled with analytical skills and thus enable students to write narrative essays.


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Course Outcomes

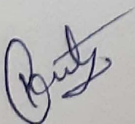
BA V Sem (Optional English 5.1)

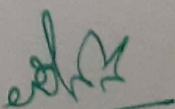
Course Objective

1. To introduce the students to the history of English language.
2. To introduce the students to speech mechanisms.
3. To acquaint the students with English and its development in India.
4. To introduce the students to gender and the English language.

Course Outcomes

1. Students learn complete history of English language including old ,middle & modern English period and vocabulary.
2. Students get acquainted with word structure ,sentence structure, speech organs, stress, patterns, and intonation.
3. Students come to know how English as a second language brought considerable changes in different facts of life.
4. Students become conversant with gender & the English language androcentrism and non sexist alternatives.


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Department of English

Course Outcomes

BA V Sem (Optional English5.2)

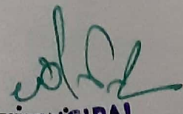
Course Objective

1. To make the students know the history and anthology of Indian English literature.
2. To make the students learn the history of Indian English literature through prose, fiction and poetry.
3. To familiarize the students with the background of the pre and post independence period.

Course Outcomes

1. Students come to know the nature and scope of Indian English literature.
2. Students come to know about the major prose writers ,poets, and writers of fiction including Gandhi, Rajarao , Aurobindo and other leading writers.
3. Students acquaint themselves with the poets from Toru Dutt, down to Ezekeil. Fictional writers from Gandhiji down to Amartya Sen.


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Department of English

Course Outcomes

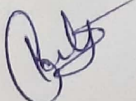
BA VI Sem (Optional English) DSC-12

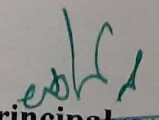
Course Objectives

1. To provide introduction to the study of Post-Colonial Literature.
2. To familiarize the students with the aspects of Colonialism and Post-Colonialism and guide them as how to read them.
3. The students are expected to acquire the basic and practical knowledge about Post-Colonial Literature.

Course Outcomes

1. At the end of the course students will be able to acquire the knowledge of the concept of post-Colonial Theory.
2. Knowledge of Post-Colonial literary texts.
3. Knowledge of essays on Post-Colonial theory.
4. Post-Colonial text and their interpretation.
5. Knowledge of Post-Colonial novel and short stories.


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Department of English

Course Outcomes

BA VI Sem (Optional English) DSC-13

Course Objectives

1. To provide introduction to the study, History of English Language.
2. To familiarize the students with the aspects of Origin and development of English Language and guide them as how to read them.
3. The students are expected to acquire the basic and practical knowledge about History of English Language.

Course Outcomes

1. At the end of the course students will be able to acquire the knowledge of History of English Language.
2. Information about various landmarks.
3. Influence on English Language.
4. Knowledge of basic concepts of ELT.
5. Skills in Teaching Prose, Poetry and Novel

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Course Outcomes

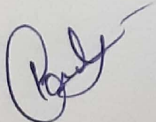
BA VI Sem (Optional English) DSC-14

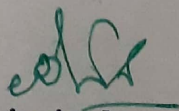
Course Objectives

1. To provide introduction to the study, World Literature in English.
2. To familiarize the students with the aspects of World Literature Concepts and guide them as how to read them.
3. The students are expected to acquire the basic and practical knowledge about World Literature in English.

Course Outcomes

1. At the end of the course students will be able to acquire the knowledge of the idea of translation studies.
2. Concepts of world literature.
3. Knowledge of various Authors of the world and their works.
4. Knowledge of famous Books.
5. Approaches to literary texts of the world.


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Department of English

Course outcomes:

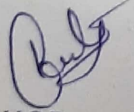
B.Sc. Ist Semester (Basic English)

Objectives:

1. Relate Students knowledge of P.U.C. and under graduation.
2. Introduce the students to the study of literature and sensitize the women students about the problems faced by Indian women in various situations through fictional mode.
3. To familiarize the students with the themes like gender discrimination, science and technology and environmental issues, including culture and mass media.
4. To improve basic grammatical aspects of English.
5. To revive and inculcate the power of the language in perusing and expressing the world around the students.

Outcomes:

1. The students know the nature of the subject in comparison to the P.U.C. level.
2. The students become familiar with the text and understand the life experiences and become sensitive to the problems of women.
3. Students are familiarized with serious issues of environmental crisis, gender related issues and also nuances of culture and mass media.
4. The students gain ability to converse, read and write with improved proficiency.
5. Students pursue the language skills through the context of their immediate culture.


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Department of English

Course outcomes:

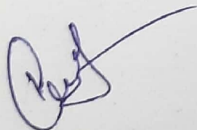
B.Sc. IInd Semester (Basic English)

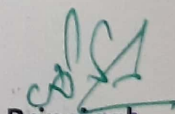
Objectives:

1. To empower the students by inculcating with reading and referential skills.
2. To enhance students expression through close reading of comprehension.
3. To expose the students to science and its facts through relevant texts.

Outcomes:

1. Students get more acquainted with the art of reading skills.
2. The comprehension activities empower the students by many folds and thus master the analytical, perspective and other skills.
3. Students are exposed to eminent women in the field of science and make them understand the connection between the science and women and language and science.


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Course outcomes:

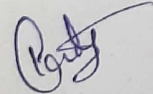
B.Sc. IIIrd Semester (Basic English)

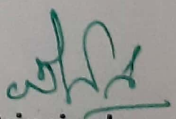
Objectives:

1. To expose the students to the relationship between mother and children.
2. To enrich the writing skills among women students.
3. To depict women's condition in the visual and the written world.

Outcomes:

1. The students learn the concern of mother for her children and the deep emotional bond that exists between them.
2. The students get the graded writing skills.
3. The students learn how woman is exposed in the visual media specially in Indian adds as an object of commodity.


HOD


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Arts, Commerce & Science Degree
College for Women, Kalaburagi-03

Department of English

Course outcomes:

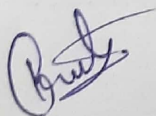
B. Sc IVth Semester (Basic English)

Objective:

1. To expose the students to conventional & modern modes of expression.
2. To stimulate students curiosity & interest in human thought & behaviour
3. To know more about linguistic expressions & grammatical components.

Outcomes:

1. Students become familiar with modes of expression like essay writing; letter writing report writing, summarizing and e-mailing.
2. The prose selections compiled here teach the students the definite writing skills.
3. Students become familiar with the use of suitable articles, verbs & their proper usage.


HOD


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Department of English

Course outcomes:


B.Com Ist Semester (Basic English)

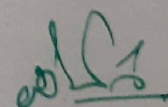
Objectives:

1. Relate Students knowledge of P.U.C. and under graduation.
2. To develop reading and reference skills. Introduce the students to the study of literature and sensitize the women students about the problems faced by Indian women in various situations through fictional mode.
3. To familiarize the students with the themes like gender discrimination, business and society.
4. To improve basic grammatical aspects of English.
5. To revive and inculcate the power of the language in perusing and expressing the world around the students.

Outcomes:

1. The students know the nature of the subject in comparison to the P.U.C. level.
2. The students become familiar with the text and understand the life experiences and become sensitive to the problems of women.
3. Students are familiarized with serious issues related to business and society and globalization.
4. The students gain ability to converse, read and write with improved proficiency.
5. Students pursue the language skills through the context of their immediate culture.


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Department of English

Course outcomes:

B.Com IInd Semester (Basic English)

Objectives:

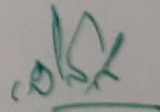
1. To expose the students to grammar and composition.
2. To acquaint the students with variety of subject matter of interest in the field of commerce.
3. To introduce the students to texts that deal on trade and society, reforms and life stories.

Outcomes:

1. Students learn the basic components of time and tense and correction of errors.
2. They also become experts on resume writing and job application writing including advertisement drafting.
3. Students get glimpses into the Indian woman in commerce.
4. They learn the importance of communication in trade and techniques of advertisement drafting and also students get insights into life stories.



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Department of English

Course outcomes:

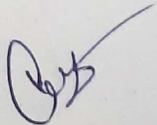
Bcom III sem (Basic English)

Objectives:

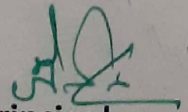
1. To make the students know the variety of writing.
2. To make them understand the importance of travelogue and introduce them to paragraph writing.
3. To know the use of language in Advertisements.

Outcomes:

1. Students become familiar with letters written by Vivekananda in the past, Narayanmurthy in the present sensitivity in their language.
2. The travelogues help the students to know how they differ from other forms of literature.
3. The students learn the novel and innovative way of using language while writing scripts for advertisements.



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Department of English

Course outcomes:

Bcom IV sem (Basic English)

Objective:

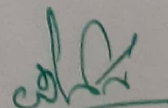
1. To expose the students to conventional & modern modes of expression.
2. To stimulate students curiosity & interest in human thought & behaviour
3. To know more about linguistic expressions & grammatical components.

Outcomes:

1. Students become familiar with modes of expression like essay writing; letter writing report writing, summarizing and e-mailing.
2. The prose selections compiled here teach the students the definite writing skills.
3. Students become familiar with the use of suitable articles, verbs & their proper usage.



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**Godutai Doddappa Appa Arts and Commerce
College for Women, Kalaburagi.**

Department of English

Programme Outcome:


B.A. Ist Semester (Basic English)

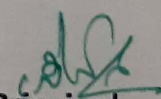
Objectives:

1. Relate Students knowledge of P.U.C. and under graduation.
2. Introduce the students to the study of literature.
3. To familiarize the students with the concepts and principles of literature.
4. To improve in oral and written communication skills.
5. To acquire advance language skills in literature.

Outcomes:

1. The students know the nature of the subject in comparison to the P.U.C. level.
2. The students become familiar with the text and understand the life experiences.
3. Students get gradual proficiency in the achievement of graduate attributes of the university.
4. The students gain ability to converse, read and write with improved proficiency.
5. Students attain confidence in the use of English language.


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Department of English

Course outcomes:

B.A. IInd Semester (Basic English)

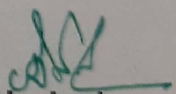
Objectives:

1. To introduce the students to nuances of Art.
2. To introduce the students to the finer aspects of Indian festivals and culture.
3. To introduce the students to the life stories of major women achievers.
4. To introduce to the grammar and compositions.

Outcomes:

1. The students learn about Art and society and their close proximity.
2. The students learn about how festivals play important role in creating a united society based on a composite culture.
3. Students become more confident in life and get deeply influenced after the study of life stories of Savitribai Phule & M.S. Subbalaxmi.
4. Students understand the grammar components like the correct form of verbs voices & sentence errors.


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Department of English

Course outcomes:


B.A. IIIrd Semester (Basic English)

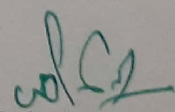
Objectives:

1. To make the students know the variety of writing.
2. To make them understand the importance of travelogue and introduce them to paragraph writing.
3. To know the use of language in Advertisements.

Outcomes:

1. Students become familiar with letters written by Vivekananda in the past, Narayanmurthy in the present sensitivity in their language.
2. The travelogues help the students to know how they differ from other forms of literature.
3. The students learn the novel and innovative way of using language while writing scripts for advertisements.


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College for Women, Kalaburagi-03

Department of English

Course outcomes:

BA IV Sem (Basic English)

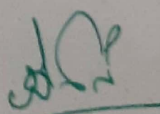
Objective:

1. To expose the students to conventional & modern modes of expression.
2. To stimulate students curiosity & interest in human thought & behaviour
3. To know more about linguistic expressions & grammatical components.

Outcomes:

1. Students become familiar with modes of expression like essay writing; letter writing report writing, summarizing and e-mailing.
2. The prose selections compiled here teach the students the definite writing skills.
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**Godutai Doddappa Appa Arts and Commerce
College for Women, Kalaburagi.**

Department of English

Programme Specific Outcomes:

English literature courses in the Department of English expose students to a wide range of writing from British, American and Indian traditions. It helps students explore how writers use the creative resources of language- in fiction, poetry, non-fiction prose and drama to explore the entire range of human experiences. Students are expected to strive, to be imaginative rhetorically dexterous and technically proficient and as a result, to gain deeper insight into life. Use of language as a means of creative expression, will make them effective thinkers and communicators-qualities which are crucial for choosing careers in our information-intensive society.

Specific learning outcomes for English courses include the following:

PSO 1 : Reading

PSO 2 : Literature, Nation and Tradition

PSO 3 : Awareness about Culture and History

PSO 4 : Gaining of Critical Insight

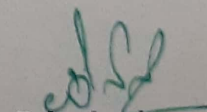
PSO 5 : Issue of Sexuality and Gender

PSO 6 : Acquisition of Values

PSO 7 : Writing skills and process

PSO 8 : Means of Effective Communication


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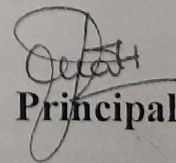
For the year 2023-24

B.Com I Semester

1) Name of the Course: Financial Accounting

Course Outcomes: On successful completion of the course, the Students will be able to

- Understand the theoretical framework of accounting as well accounting standards.
- Demonstrate the preparation of financial statement of manufacturing and non-manufacturing entities of sole proprietors.
- Exercise the accounting treatments for consignment transactions & events in the books of consignor and consignee.
- Understand the accounting treatment for royalty transactions & articulate the Royalty agreements.
- Outline the emerging trends in the field of accounting.

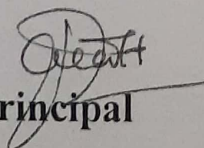

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Arts, Commerce & Science Dept.
College for Women, Kalaburagi

Name of the Course: Management Principles and Applications

Course Outcomes: On successful completion of the course, the Students will be able to

- Understand and identify the different theories of organisations, which are relevant in the present context.
- Design and demonstrate the strategic plan for the attainment of organisational goals.
- Differentiate the different types of authority and choose the best one in the present context.
- Compare and choose the different types of motivation factors and leadership styles.
- Choose the best controlling techniques for better productivity of an organisation.

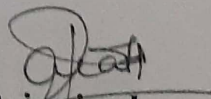

Principal

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Arts, Commerce & Science Department
College for Women, Kalaburagi

Name of the Course: Principles of Marketing

Course Outcomes: On successful completion of the course, the Students will be able to

- Understand the basic concepts of marketing and assess the marketing environment.
- Analyse the consumer behavior in the present scenario and marketing segmentation.
- Discover the new product development & identify the factors affecting the price of a product in the present context.
- Judge the impact of promotional techniques on the customers & importance of channels of distribution.
- Outline the recent developments in the field of marketing.


Principal

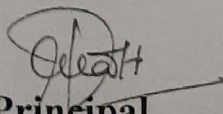
PRINCIPAL
Godutai Doddappa A.
Arts, Commerce & Science Dept.
College for Women, Kalaburagi-U.

B.Com II semester

1) Name of the Course: Advanced Financial Accounting

Course Outcomes: On successful completion of the course, the Students will be able to

- Understand & compute the amount of claims for loss of stock & loss of Profit.
- Learn various methods of accounting for hire purchase transactions.
- Deal with the inter-departmental transfers and their accounting treatment.
- Demonstrate various accounting treatments for dependent & independent branches.
- Prepare financial statements from incomplete records.

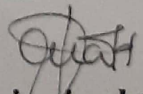

Principal

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Arts, Commerce & Science Dept.
College for Women, Kalaburagi.

Name of the Course: Corporate Administration

Course Outcomes: On successful completion of the course, the Students will be able to

- Understand the framework of Companies Act of 2013 and different kind of companies.
- Identify the stages and documents involved in the formation of companies in India.
- Analyse the role, responsibilities and functions of Key management Personnel in Corporate Administration.
- Examine the procedure involved in the corporate meeting and the role of company secretary in the meeting.
- Evaluate the role of liquidator in the process of winding up of the company.


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Name of the Course: Law and Practice of Banking

Course Outcomes: On successful completion of the course, the Students will be able to

- Summarize the relationship between Banker & customer and different types of functions of banker.
- Analyse the role, functions and duties of paying and collecting banker.
- Make use of the procedure involved in opening and operating different accounts.
- Examine the different types of negotiable instrument & their relevance in the present context.
- Estimate possible developments in the banking sector in the upcoming days.

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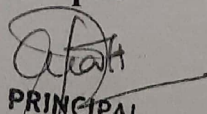
B.Com III Semester

1) Name of the Course: Corporate Accounting

Course Outcomes: On successful completion of the course, the Students will be able to

- Understand the treatment of underwriting of shares.
- Comprehend the computation of profit prior to incorporation.
- Know the valuation of intangible assets.
- Know the valuation of shares.
- Prepare the company financial statements as per IND AS.

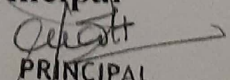
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Name of the Course: Cost Accounting

Course Outcomes: On successful completion of the course, the Students will be able to

- Understand concepts of cost accounting & Methods of Costing.
- Outline the Procedure and documentations involved in procurement of materials & Compute the valuation of Inventory.
- Make use of payroll procedures & compute idle and over time.
- Discuss the methods of allocation, apportionment & absorption of overheads.
- Prepare cost sheet & discuss cost allocation under ABC.

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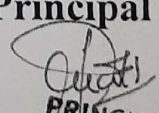
B.Com IV Semester

1) Name of the Course: Advanced Corporate Accounting

Course Outcomes: On successful completion of the course, the Students will be able to

- Know the procedure of redemption of preference shares.
- Comprehend the different methods of Mergers and Acquisition of Companies
- Understand the process of internal reconstruction.
- Prepare the liquidators final statement of accounts.
- Understand the recent developments in accounting.

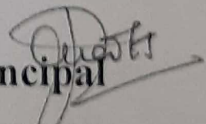
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Name of the Course: Costing Methods and Techniques

Course Outcomes: On successful completion of the course, the Students will be able to

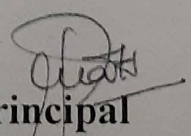
- Distinguish Traditional costing method and strategic cost management tool with development in cost management.
- Apply appropriate decision making techniques to a variety of costing problems.
- Analyse the processes involved in standard costing.
- Familiarize with the Activity Based Costing and its applications.
- Acquaint cost of quality and TQM parameters.


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Name of the Course: Business Regulatory Framework

Course Outcomes: On successful completion of the course, the Students will be able to

- Recognize the laws relating to Contracts and its application in business activities.
- Acquire knowledge on bailment and indemnification of goods in a contractual relationship and role of agents.
- Comprehend the rules for Sale of Goods and rights and duties of a buyer and a seller.
- Distinguish the partnership laws, its applicability and relevance.
- Rephrase the cyber law in the present context.


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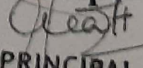
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B.Com V Semester

1) Name of the Course: Financial Management

Course Out comes : On successful completion of the course, the students' will be able to

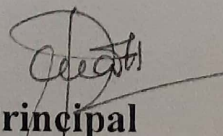
- Understand the role of financial managers effectively in an organization.
- Apply the compounding & discounting techniques for time value of money.
- Take investment decision with appropriate capital budgeting techniques for investment proposals.
- Understand the factors influencing the capital structure of an organization.
- Estimate the working capital requirement for the smooth running of the business

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Name of the Course: Income Tax Law and Practice-I

Course Out comes : On successful completion of the course, the students will be able to

- Comprehend the procedure for computation of Total Income and tax liability of an individual.
- Understand the provisions for determining the residential status of an Individual.
- Comprehend the earning of Salary, Perquisites, Profit in lieu of salary, allowances, and various retirement benefits.
- Compute the income house property for different categories of house property.
- Comprehend TDS & advances tax Ruling and identify the various deductions under section 80.


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Name of the Course : Principles and Practice of Auditing

Course Outcomes: On successful completion of the course, the students' will be able to

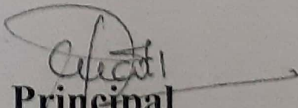
- Understand the conceptual frame work of auditing.
- Examine the risk assessment and internal control in auditing
- Comprehend there levance of IT in audit and audit sampling for testing.
- Examine the company audit and the procedure involved in the audit of differententities.
- Gain knowledge on different aspect of audit reporting and conceptual framework applicable on professional accountants.


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Name of the Course: Financial Institutions and Markets

Course Outcomes: On successful completion of the course, the students' will be able to

- Understand the structure of Indian financial system and its constituents.
- Outline the role of capital and money market in economic development.
- Comprehend primary and secondary market and its relevance in capital formation.
- Appraise the role played by banking and development financial institutions in economic development so far.
- Understand the different types of NBFCs and their contribution

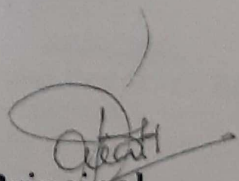

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Name of the Course: Retail Management

Course Outcomes: On successful completion of the course, the students' will be able to

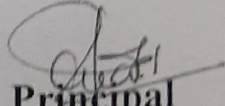
- Understand the contemporary of retail management, issues, strategies, and trends in Retailing.
- Utilize the theories and strategies of retail planning.
- Perceive the role and responsibilities of store manager and examine the visual merchandising and its techniques in the present context.
- Prioritize the factors to be considered while fixing the price in retailing.
- Comprehend the emerging trends in Retail Industry.


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Name of the Course: Vocational-GST-Law & Practice

Course Outcomes: On successful completion of the course, the students' will be able to

- Comprehend the concepts of Goods and Services tax.
- Understand the fundamentals of GST.
- Analyze the GST Procedures in the Business.
- Know the GST Assessment and its computation.


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Godutai Doddappa Appa Arts, Commerce and Science

Degree College for Women, Kalaburagi – 585103

DEPARTMENT OF ECONOMICS

Program Outcomes and Course Outcomes

2023-2024

Program Outcomes

The subject economics is helpful to get preliminary idea of economic theories. It is also helpful to know about the economic variables including inflation, unemployment, poverty, and concept of national income, balance of payment using various statistical methods and software too. The subject also provides insights of Indian and world economy. The economics graduates can also shape their future in various central planning commissions, banking sectors and can be economic advisors to nation as well as to MNCs which have wider scope in the current society. Economics prepares students for career as professionals or researchers in the field of Economics. The students can fetch the degree and continue with the masters which have brighter future and can take up the competitive exams like IES.

Course Outcomes

B.A.FIRST SEMESTER

DSC-1.1: BASIC ECONOMICS (ECONOMIC ANALYSIS)-I

1. Identify the facets of an economic problem.
2. Learn basic economic concepts and terms.
3. Explain the operation of a market system;
4. Analyse the production and cost relationships of a business firm;
5. Evaluate the pricing decisions under different market structures; and
6. Use basic cost-benefit calculations as a means of decision making (i.e. thinking like an economist)

DSC-1.2: CONTEMPORARY INDIAN ECONOMY

1. Understand the current problems of Indian Economy
2. Identify the factors contributing to the recent growth of the Indian economy
3. Evaluate impact of LPG policies on economic growth in India
4. Analyze the sector specific policies adopted for achieving the aspirational goals
5. Review various economic policies adopted.

B.A. Second Semester

DSC -2.1: Basic Economics-II

1. Understand the operation of the overall economic system;
2. Calculate national income and related aggregates
3. Explain the relationship between macroeconomic aggregates;
4. Analyse the nature of business cycles and policies towards controlling them;
5. Evaluate the macroeconomic policies for solving major problems like poverty and unemployment

DSC-2.2: Karnataka Economy

1. Understand the nature of economic growth and problems of Karnataka state.
2. Explain the process of structural growth in Karnataka economy;
3. Evaluate the policies and programmes undertaken by the Govt. of Karnataka for bringing about socio-economic development

B.A. THIRD SEMESTER

DSC-3.1: MICRO ECONOMICS

CO1. Understand introductory economic concepts.

CO2. Recognize basic supply and demand analysis.

CO3. Recognize the structure and the role of costs in the economy.

CO4. Describe, using graphs, the various market models: perfect competition, monopoly, monopolistic competition, and oligopoly.

CO5. Explain how equilibrium is achieved in the various market models.

CO6. Identify problem areas in the economy, and possible solutions, using the analytical tools developed in the course.

DSC-3.2: Mathematics for Economics

CO1. Perform basic operations in Sets and functions and Matrix algebra.

CO2. Calculate limits, derivatives of Economic functions and identify the nature of relationship.

CO3. Calculate maxima and minima of function.

B.A. Fourth Semester

DSC-4.1: Macroeconomics

CO1. Understand the Theories of National Income Accounting

CO2. Explain the process of Consumption and Investment Functions

CO3. Evaluate the Concept of Multiplier and Inflation.

DSC-4.2: Statistics for Economics

CO1. Understand the nature of Data and their presentation

CO2. Calculate Descriptive statistics like measures of central tendency and dispersion

CO3. Apply statistical techniques like correlation and regression in Economic analysis

B.A. FIFTH SEMESTER

DSC-ECO C9: PUBLIC ECONOMICS



CO1. Understand introductory Public Finance concepts.

CO2. Study the causes of market failure and corrective actions

CO3. Understand the impact, incidence and shifting of tax

CO4. Study the Economic Effects of tax on production, distribution and other effects

CO5. Enable the students to know the Principles and Effects of Public Expenditure

CO6. Understand the Economic and functional classification of the budget; Balanced and Unbalanced budget

CO7. Understand the Burden of Public debt and know the Classical/ Ricardian views, Keynesian and post-Keynesian views

CO8. To acquaint with the advantages and disadvantages of Deficit Financing.

DSC-ECO C10: DEVELOPMENT ECONOMICS

CO1. Understand the basic concepts and measurements of Development.

CO2. Learn some classical and partial theories of Development economics and identify the difference.

CO3. Identify the difference between Developed and Developing Countries.

CO4. Analyse and tackle the Development Issues effectively.

DSC-ECO C11: INDIAN BANKING AND FINANCE

CO1. Understand the structure of Indian banking and the role of banks in monetary policy.

CO2. Analyze the functioning of banks and different types of accounts and other services offered by banks.

CO3. Evaluate recent developments in the Indian banking sector, including digital banking, payment banks, and non-performing assets.

CO4. Describe the overview of the Indian financial system, including financial markets, financial instruments, and financial regulation.

CO5. Analyze the challenges faced by Indian banks and the implications of banking reforms for the Indian economy.

CO6. Develop critical thinking and analytical skills in evaluating various financial products and services banks and capital markets offer.

B.A. SIXTH SEMESTER

DSC- ECO C12: INTERNATIONAL ECONOMICS

CO1. Understand the international trade theories and their application in international trade

CO2. Explain the concept of terms of trade and demonstrate the effect of trade barriers; and display the ability to analyse the stages of economic integration

CO3. Understand the concept of BoP and assess the BoP position and examine the changes in forex rate

CO4. Analyse the role of International trade and financial institutions

CO5. Demonstrate good inter-personal and communication skills through class participation and contributing to critical discussion on trade issues

DSC- ECO C13: INDIAN PUBLIC FINANCE

CO1. Understand the structure of Indian Public Finance

CO2. Enable the students to know the Source and nature of public revenue and expenditure

CO3. Understand the Budget and different concept of deficits

CO4. Know the Public debt and its management

□ CO5. Understand the fiscal and monetary policy and their tools and importance

CO7. To enable the students to know the Indian federal financing system and Financial Commissions.

DSC-ECO C14: ECONOMIC THOUGHTS OF DR.B.R AMBEDKAR

CO1. Derive inspiration from the life and works of B R Ambedkar

CO2. Appreciate the socio-economic scenario during Ambedkar's period and compare it with present day

CO3. Comprehend the contributions of Ambedkar on various economic aspects

CO4. Assess the economic views of Ambedkar in the light of present-day socio-economic problems

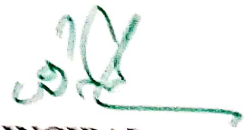
CO5. Develop the traits of critical thinking and critiquing



HOD

HOD Economics

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PRINCIPAL

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**Godutai Doddappa Appa
Arts, Commerce & Science Degree
College for Women, Kalaburagi-03**

DEPARTMENT OF KANNADA

COURSE OUTCOME

This course aims to help the students to learn Kannada for day-to-day transactions with ease and confidence. It impacts the knowledge in language and Kannada literature to the learners and equip them with the skills to meet the challenges in the field of Kannada.

CO – 1 : To impart and motivate them to learn the State Language with ease and confidence enabling for better communication skills

CO – 2 : To orient and enhance the knowledge of the language basics and grammar the bridge course sessions are conducted by the language department

CO – 3 : To develop and sharpen interpersonal and communication skills

CO – 4 : To train the students effectively in the learning process of Kannada language and literature

CO – 5 : To enable the learners with the history, evolution, literary movements and development of literary in Kannada literature to inculcate the ethical values of life

CO – 6 : To help them learn the basic and fundamental concept of prose

CO – 7 : To help them learn know the different areas of prose generous through lessons

CO – 8 : To gain knowledge of business letter draft in Kannada

CO – 9 : To help them learn the basics and fundamental concept of poetry

CO – 10 : To help them learn the basic and writing techniques of the story and articles

ಪ್ರಾಂಶುಪಾಲರು

ಗೋದಾಕುಲ ದೊಡ್ಡಪ್ಪ ಅವರ ಕಲಾ, ವಾಣಿಜ್ಯ
ಮತ್ತು ವಿಜ್ಞಾನ ಮಹಿಳಾ ಪದವಿ ಮಹಾವಿದ್ಯಾಲಯ
ಕಲಬುರಗಿ-585 103

Basic – Kannada

Program Specific Outcome

Learning Outcome

PO -1 : Students expand their knowledge by exposure to various forms of Kannada language

PO -2 : Enhancing written and oral communication skills

PO -3 : Enhancing the writing ability in Kannada language in digital space

PO -4 : Students will develop their humanity and concern for the society through the study of story, poetry, essay, novel, drama, etc.

PO -5 : Students grow up to be sociopath by understanding the society as a whole with a special study of women and the depressed

PO -6 : To orient and enhance the knowledge of grammar, conduct the bridge course, workshops, seminars, etc.

PO -7 : To aware and motivate the students to protect and preserve the folk literature and heritage

PO -8 : To develop and sharpen interpersonal and communication skill

PO -9 : To motivate them to know the world culture, literature heritage through the translation form

ಪ್ರಾಂಶುಪಾಲರು

ಗೋದಾತಾಂಬ ದೊಡ್ಡಪ್ಪ ಅವರ ಕಲಾ, ವಾಣಿಜ್ಯ
ಮತ್ತು ವಿಜ್ಞಾನ ಮಹಿಳಾ ಸದರಿ ಮಹಾವಿದ್ಯಾಲಯ
ಕಲಬುರಗಿ-585 103

Optional Kannada

Program Outcome

PO – 1 : Students exposure to comprehensive introduction to Kannada literary history

PO – 2 : To make the students to have love and support towards the Kannada language, literature and heritage through understanding the significance and the excellence of the study of ancient and contemporary poets and their works

PO – 3 : To make students to carry the Kannada language, literature and heritage with the global literature and heritage through the study of classical subjects such as poetry, phonetics (Shabdamanidarpanam), linguistics, chandassu, etc.

PO – 4 : To make the students to know the fact that knowledge acquisition is a way of life but not a business .



ಪ್ರಾಂಶುಪಾಲರು

ಗೋದಾತಾಂನು ದೊಡ್ಡಪ್ಪ ಅಪ್ಪ ಕಲಾ, ವಾಣಿಜ್ಯ
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ಕಲಬುರಗಿ-585 103

Godutai Doddappa Appa Arts, Commerce and Science Degree College for Women,
Kalaburagi

2023-24

Department of Music

Programme Specific Outcome (PSO)

B.A. Hindustani Music Vocal

PSO-1 The student is able to give a practical demonstration of ragas for a period of at least half an hour

PSO-2 The student is able to demonstrate various aspects of ragas and their differentiation.

PSO-3 The student studies about the theoretical aspects of the prescribed ragas

PSO-4 The student learns to write the practical compositions according to the Notation system

PSO-5 The student understands the basic terminologies of Indian music

PSO-6 The student studies about the compositional forms and notation systems of Hindustani music

PSO-7 The student studies about the life and contribution of the composers of Hindustani music

PSO-8 The student learns about the music in the Vedic period, and also studies the works of music scholars of the past

PSO-9 The student studies about the Gharanas of Hindustani music

PSO-10 The student makes an analytical study of various musical forms of Hindustani music

Department of Music

Course Outcome

B.A. Hindustani Music (Vocal)

B.A. – I Year

SEMESTER - I

“General Theory” (Course – 101)

- CO-1 The student understand the basic terminologies of Indian music
- CO-2 The students learn to write the practical compositions according to the Notation system
- CO-3 students studies about the theoretical aspects of ragas “Stage Performance and Viva Voce”
Course – 102)
- CO The student is able to give a practical demonstration of the prescribed ragas and is able to demonstrate various aspects of ragas and their differentiation

Department of Music

Course Outcome

SEMESTER – II

“Theory of Indian Music” (Course – 103)

CO-1 The student studies about the compositional forms of Hindustani music

CO-2 The students learn about the Notation systems of Hindustani music

CO-3 The students learn to write the practical compositions according to the Notation system

CO-4 The students study about the theoretical aspects of ragas “Stage Performance and Viva Voce”
(Course – 104) CO The student is able to give a practical demonstration of the prescribed ragas and is able to demonstrate various aspects of ragas and their differentiation

Department of Music

Course Outcome

The student is able to demonstrate various aspects of ragas and their differentiation.

B.A. – II Year

III SEMESTER

III “Historical Study of the Musical Terms” (Course – 105)

CO-1 The student studies about the musical terms of Hindustani music

CO-2 The students learns about the composers of Western music and Karnatak music

CO-3 The students learns to write the practical compositions according to the Notation system

CO-4 The students studies about the theoretical aspects of ragas “Stage Performance” (Course – 106)

**CO The student is able to give a practical demonstration of ragas for a period of at least half an hour
“Viva Voce” (Course – 107)**

Department of Music

Course Outcome

The student is able to demonstrate various aspects of ragas and their differentiation.

SEMESTER – IV

“Life and Contribution of Musicians & Musicologists” (Course – 108)

CO-1 The student studies the texts of ancient scholars of Hindustani music

CO-2 The students learns about the life and contribution of the composers of Hindustani music

CO-3 The students learns to write the practical compositions according to the Notation system

CO- The students studies about the theoretical aspects of ragas “Stage Performance” (Course – 109)

**CO The student is able to give a practical demonstration of ragas for a period of at least half an hour
“Viva Voce” (Course – 110)**

The student is able to demonstrate various aspects of ragas and their differentiation.

Department of Music

Course Outcome

B.A. – III Year

SEMESTER – V

“History of Indian music” (Course – 111)

CO-1 The student learns about the music in the Vedic period, the Ramayan and the Mahabharata

CO-2 The students studies the works on Indian music by medieval authors

CO-3 The students learns to write the practical compositions according to the Notation system

CO-4 The students studies about the theoretical aspects of ragas “Stage Performance and Viva Voce”
(Course – 112)

Department of Music

Course Outcome

The student is able to give a practical demonstration of the prescribed ragas and is able to demonstrate various aspects of ragas and their differentiation

SEMESTER - VI "Applied Theory" (Course – 113)

CO-1 The student studies about the Gharanas of Hindustani music

CO-2 The students learn about the musical forms of Hindustani music

CO-3 The students learn to write the practical compositions according to the Notation system

CO-4 The students study about the theoretical aspects of ragas "Stage Performance and Viva Voce" (Course – 114)

CO The student is able to give a practical demonstration of the prescribed ragas and is able to demonstrate various aspects of ragas and their differentiation.



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