



B.L.D.E.A's

**Commerce, BHS Arts &
TGP Science College, Jamkhandi.**



NAAC III Cycle Accreditation 'A' Grade CGPA 3.32

UGC Paramarsh Mentor College

Programme Outcomes
Programme Specific Outcomes
&
Course Outcomes

I. Arts

- English
- Hindi
- Kannada
- Economics
- History
- Political Science
- Sociology

II. Science

- Physics & Electronics
- Chemistry
- Mathematics
- Botany
- Zoology
- Biotechnology
- Statistics
- Computer Science

III. Commerce

IV. BBA

V. BCA

VI. Post-Graduation

- MA- Political science
- MA- History
- M.Com.
- M.Sc. Mathematics

VII. Certificate Course in Yoga Studies

B.A

Optional English.

➤ **Programme outcomes**

PO1: Students will be able to interpret the literary terms and various forms of literary genres like Short Story, Novel, Poetry and Drama etc.

PO2: Experimental Skills: Students will use the LSRW skills for creating their own way as Poets, Prose writers and editors etc.

PO3: Translator: Students can opt or choose their career as translator in various sectors.

PO4: Opportunities: The students can go for competitive exams conducted by various Government Sectors. And can go for higher studies.

➤ **Programme specific outcomes.**

PSO1: Mirror of Society: Student will comprehend the various aspects of society such as its culture, life style and art forms etc.

PSO2: History of English Literature: Student will have the Chronological History of English Literature.

PSO 3: Usage of Language: Students will inculcate the use of language at semantic and syntactic levels. The students could improve phonological, morphological and figurative language of English.

PSO 4: Literary Criticism: Student will be able to construe the critical ideas and also elaborate the cultural values and themes.

PSO 5: Creative Writing: Helps to acquire the latest writing trends in language study.

PSO 6: Critical Analysis: Students will be able to analyse the style, genre and the functions of texts and their relations with historical, social and political contexts.

PSO7: English as Global Language: Students will know the importance of English for Global Communication.

- **Course Outcomes**
- **B.A I Semester**
- **Subject- Optional English “English literature: Literary terms and forms, Introduction to English literature and selected Bacons Essays”.**

Students Will...

Co1: Get to know the Literary Values.

Co2: Study the different forms and terms of literature.

Co3: Be acquainted with moral and social essays.

Co4: Analyze the texts in a Critical Way.

Co5: Develop their writing skills through Essays.

MAPPING of Cos with Po’s and PSO’s:

Cos\PO s and PSO’s	PO1	PO2	PO3	PO4	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7
CO1	3	3	3	3	3	3	1	2	1	2	3
Co2	3	3	3	3	2	3	1	1	2	2	3
Co3	3	2	3	3	2	3	2	2	2	3	3
CO4	3	1	3	3	2	2	3	2	1	2	3
CO5	3	2	3	3	2	2	3	1	1	2	3

- **Course Outcomes**
- **B.A II Semester**
- **Subject -Optional English “English literature: Literary terms and forms, Introduction to English literature of Age of Pope and Dr Johnson”.**

Students Will...

Co1: Develop the habit of reading and writing skills.

Co2: Be introduced to various Ages of literature.

Co3: Analyze the Genres of Literature.

Co4: Understand the difference between literature, Science, Morality and culture.

Co5: Analyze the various elements of poetry such as diction, tone, theme and Symbolism.

Co6: Analyze the varieties and idleness of 18th century Society.

MAPPING of Cos with Po's and PSO's:

Cos\POs and PSO's	PO1	PO2	PO3	PO4	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7
CO1	3	3	3	3	3	3	1	2	1	2	3
Co2	3	3	3	3	2	3	1	1	2	2	3
Co3	3	2	3	3	2	3	2	2	2	3	3
CO4	3	1	3	3	2	2	3	2	1	2	3
CO5	3	2	3	3	2	2	3	1	1	2	3
Co6	2	2	3	3	3	3	1	1	3	3	3

- **Course Outcomes**
- **B.A III Semester**
- **Subject - Optional English “English literature: Romantic and Victorian Age and Representative Text and Contemporary Grammar”.**

Students Will...

Co1: Enhance the knowledge about Particular Features of Romantic and Victorian Age.

Co2: Be introduced to Nature Poets.

Co3: Analyze the Genres of Literature like Poetry, Prose, and Novels.

Co4: Understand the Modern English Grammar.

Co5: Analyze the various elements of poetry such as diction, tone, theme and Symbolism.

Co6: Analyze the verities and idleness of 19th century Society.

MAPPING of Cos with Po’s and PSO’s:

Cos\POs and PSO’s	PO1	PO2	PO3	PO4	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7
CO1	3	3	3	3	3	3	1	2	1	2	3
Co2	3	3	3	3	2	3	1	1	2	2	3
Co3	3	2	3	3	2	3	2	2	2	3	3
CO4	3	1	3	3	2	2	3	2	1	2	3
CO5	3	2	3	3	2	2	3	1	1	2	3
Co6	2	2	3	3	3	3	1	1	3	3	3

- **Course Outcomes**
- **B.A IV Semester**
- **Subject- Optional English “English literature: 20th Century and Representative Text and General Linguistics”.**

Students Will...

Co1: Enhance the knowledge about Particular Features of 20th Century Literature.

Co2: Learn the Various Movements of 20th century English Literature.

Co3: Analyze the Genres of Literature like Poetry, Prose, and Novels and Drama.

Co4: Be acquainted with Short Stories and their themes.

Co5: Develop the knowledge about Linguistics and its terms.

MAPPING of Cos with Po’s and PSO’s:

Cos\POs and PSO’s	PO1	PO2	PO3	PO4	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7
CO1	3	3	3	3	3	3	1	2	1	2	3
Co2	3	3	3	3	2	3	1	1	2	2	3
Co3	3	2	3	3	2	3	2	2	2	3	3
CO4	3	1	3	3	2	2	3	2	1	2	3
CO5	1	2	3	3	2	3	1	2	2	3	3

- **Course Outcomes**
- **B.A V Semester**
- **Subject-Optional English**
- **Paper – II: History of Indian English Literature, Translation Studies and Representative Texts.**

Students Will...

Co1: Identify the Major Indian Writers.

Co2: Inculcate the value of Pre and Post-Independence Writers

Co3: Scrutinize the Novels and Novellas as genre of literature.

Co4: Spot the Indian Civilization, Cultural, Economic and Social Background.

Co5: Obtain the Origin and development of Translation Studies

MAPPING of Cos with Po's and PSO's:

Cos\POs and PSO's	PO1	PO2	PO3	PO4	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7
CO1	3	3	3	3	3	3	2	2	2	3	3
Co2	3	3	3	3	2	3	1	1	2	2	3
Co3	3	2	3	3	3	3	2	1	2	2	3
CO4	3	1	3	3	2	2	3	2	1	2	3
CO5	1	2	3	3	2	3	1	2	2	3	3

- **Course Outcomes**
- **B.A V Semester**
- **Subject- Optional English**
- **Paper -I : Literary Criticism**

Students Will...

Co1: Be able to differentiate between Judgements and assessment of a texts

Co2: Know about the various types of Criticism.

Co3: Be accustomed with various school of literature.

Co4: Be able to recognize the social issues with critical attitude.

Co5: Identify the Modern Techniques of Criticism

MAPPING of Cos with Po's and PSO's:

Cos\PO s and PSO's	PO1	PO2	PO3	PO4	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7
CO1	3	3	3	3	3	3	2	2	2	3	3
Co2	3	3	3	3	2	3	1	1	2	2	3
Co3	3	2	3	3	3	3	2	1	2	2	3
CO4	3	1	3	3	2	2	3	2	1	2	3
CO5	1	2	3	3	2	3	1	2	2	3	3

- **Course Outcomes**
- **B.A VI Semester**
- **Subject- Optional English**
- **Paper -I: Study of English Language and Phonetics.**

Students Will...

Co1: Know about the History of English Language.

Co2: Understand English Language in linguistic Perspective.

Co3: Distinguish the Influence of French, German, Greek and Latin.

Co4: Know about the influence of Bible on translation

Co5: Be Acquainted with the MLA Format of Phonetics

MAPPING of Cos with Po's and PSO's:

Cos\PO s and PSO's	PO1	PO2	PO3	PO4	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7
CO1	3	3	3	3	3	3	2	2	2	3	3
Co2	3	3	3	3	2	3	1	1	2	2	3
Co3	3	2	3	3	3	3	2	1	2	2	3
CO4	3	1	3	3	2	2	3	2	1	2	3
CO5	-	2	3	3	-	-	1	2	2	-	3

- **Course Outcomes**
- **B.A VI Semester**
- **Subject - Optional English**

Paper -II: Study of Classics and Modern Literary Theories.

Students Will...

Co1: Recognize the Art of Characterization of Great workers like Shakespeare.

Co2: Be acquainted with the types of criticism such as Eco-Criticism.

Co3: Will go through the knowledge of Plot Construction and Style of writing a Play.

Co4: Develop the knowledge about Literary theories.

Co5: Enrich their Critical Thinking.

MAPPING of Cos with Po's and PSO's:

Cos\POs and PSO's	PO1	PO2	PO3	PO4	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7
CO1	3	3	3	3	3	3	2	2	2	3	3
Co2	3	3	3	3	2	3	1	1	2	2	3
Co3	3	2	3	3	3	3	2	1	2	2	3
CO4	3	1	3	3	2	2	3	2	1	2	3
CO5	2	2	3	3	3	-	1	3	3	2	3

Programme outcomes of B.A/B.Sc/BCA/BBA

Basic English

PO1: Experimental Skills: Students will use the LSRW skills for creating their own way as Poets, Prose writers and editors etc.

PO2: Translator: Students can opt or choose their career as translator in various sectors.

PO3: Opportunities: The students can go for competitive exams conducted by various Government Sectors. And can go for higher studies.



Programme Specific Outcomes

PSO1: Good Writers and Orators - Students will be able to communicate clearly, effectively and handle their day to day affairs well with their knowledge of skills.

PSO2: Communicative Skills – Students will be able to overcome the fear of learning the second language and they will be able to converse fluently.

PSO3: Language Skills – Students will get accuracy in grammar, pronunciation and vocabulary through the prescribed syllabus.

PSO4: Analysis- Students will be able to analyze the texts better and will interpret various genres like prose, poetry and Biographies.

PSO5: Critical Thinking-

Student will be able to write any piece of work creatively and critically through imagination.

PSO6: Intensive Reading-Students will be able to recognize various themes, vocabulary and grammar parts along with focusing on new ideas.

PSO7: Building science and philosophy through language: It enables the students to represent their views in a unique way with the help of language and enhances creative writing.

PSO8: Translators – Graduates with B. Sc / B.A Basic English will be able to translate any piece of work from their mother tongue to English.

PSO9: Presentation Skills- Students will develop their presentation skills through seminars by using ICT tools

PSO10: Creative writing: Helps to acquire the latest writing trends in language study.

Mapping Grades

Strongly Agree - 3

Very Good --- 2

Average --- 1

Not Applicable --- (-)

➤ *Course Outcomes*

➤ *BA I Semester*

➤ *Subject - Basic English "Words of Wisdom"*

Students Will...

Co1- Understand logical thinking, reasoning, and learning.

Co2: Critically think about human relations, emotions and will inculcate the intensive reading habit.

Co3: Develop the LSRW skills by the real examples of society.

Co4: Analyze the genre and style of Writing.

Co5: Acquainted with Speaking and listening skills.

Co6: Analyze the imagery and symbolism of the poem.

Co7: Understand the style of writing a tragedy.

Co8: Understand the literary devices.

Co9 and 10: Critically analyze the poems.

MAPPING of Cos with Po's and PSO's:

Cos\PO s and PSO's	PO1	PO2	PO3	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9	PSO10
CO1	3	1	3	1	3	3	3	2	2	1	1	-	3
Co2	2	2	3	2	2	3	2	1	2	2	2	1	2
Co3	3	2	3	2	3	2	2	2	3	-	1	2	3
CO4	3	1	3	2	3	2	3	3	2	-	2	2	2
CO5	3	2	3	3	2	3	1	-	2	-	1	1	3
Co6	3	1	3	3	2	3	2	1	3	-	3	2	3
Co7	3	2	3	3	3	3	3	3	2	-	1	3	3
Co8	3	3	3	3	2	3	2	3	2	-	2	3	3
Co9	3	2	3	3	3	3	2	2	3	-	2	2	3
Co10	3	1	3	2	1	3	2	1	1	-	2	3	3

- **Course Outcomes**
- **BA II Semester**
- **Subject: Basic English “Words of Wisdom”**

Students Will...

Co1- Understand LSRW skills.

Co2: Critically think about human relations, emotions and will inculcate the intensive reading habit.

Co3: Develop the analyzing skills by the real examples of society.

Co4: Analyze the genre and style of Writing.

Co5: Critically think about the society and its system.

Co6: Analyze the imagery and symbolism of the poem.

Co7: Understand the style of writing a tragedy.

Co8: Understand the literary devices.

Co9 and 10: Critically Analyze the poems.

MAPPING of Cos with Po's and PSO's :

Cos\POs and PSO's	PO1	PO2	PO3	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9	PSO10
CO1	3	1	3	1	3	3	3	2	2	1	1	-	3
Co2	2	2	3	2	2	3	2	1	2	2	2	1	2
Co3	3	2	3	2	3	2	2	2	3	-	1	2	3
CO4	3	1	3	2	3	2	3	3	2	-	2	2	3
CO5	3	2	3	3	2	3	1	-	2	-	1	1	3
Co6	3	1	3	3	2	3	2	1	3	-	3	2	2
Co7	3	2	3	3	3	3	3	3	2	-	1	3	3
Co8	3	3	3	3	2	3	2	3	2	-	2	3	3
Co9	3	2	3	3	3	3	2	2	3	-	2	2	3
Co10	3	1	3	2	1	3	2	1	1	-	2	3	2

- **Course Outcomes**
- **BA III Semester**
- **Subject: Basic English “Biographical**

Sketches”Students Will...

Co1: Analyze the genre of text and art of characterization.

Co2: Know about the important personalities and their life achievements.

Co3: Understand the style of writing a biography.

Co4: Improve their proficiency in Reading.

Co5: Deepens the appreciation of life.

Co6: Enrich their vocabulary through the study of homophones and homonyms.

Co7: Develop their writing skills through interpretation of notices.

MAPPING of Cos with Po’s and PSO’s :

Cos\PO s and PSO’s	PO1	PO2	PO3	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9	PSO10
CO1	3	1	3	1	3	3	3	2	2	1	1	2	3
Co2	3	1	3	2	2	3	2	1	2	2	2	2	2
Co3	3	2	3	2	3	2	2	2	3	1	1	2	3
CO4	3	1	3	2	2	3	2	1	1	1	2	2	2
CO5	3	2	3	2	2	3	1	1	2	1	1	2	3
Co6	3	2	3	3	2	3	2	1	3	1	3	2	3
Co7	3	2	3	3	3	3	3	3	2	1	1	3	3

- **Course Outcomes**
- **BA IV Semester**
- **Subject- Basic English Novel "The English Teacher".**

Students Will...

Co1: Know about novel as genre of literature.

Co2: Know about the basic rules and standard use of Grammar.

Co3: Understand the style of writing a biography.

Co4: Improve their proficiency in vocabulary.

Co5: Deepens LSRW skills.

Co6: Develop their writing skills through interpretation of notices.

MAPPING of Cos with Po's and PSO's:

Cos\PO s and PSO's	PO1	PO2	PO3	PS01	PS02	PS03	PS04	PS05	PS06	PS07	PS08	PS09	PS010
CO1	3	1	3	1	3	3	3	2	2	1	1	2	3
Co2	3	1	3	2	2	3	2	1	2	2	2	2	2
Co3	3	2	3	2	3	2	2	2	3	1	1	2	3
CO4	3	1	3	2	2	3	2	1	1	1	2	2	2
CO5	3	2	3	2	2	3	1	1	2	1	1	2	3
Co6	3	2	3	3	2	3	2	1	3	1	3	2	3

- **Course Outcomes**
- **BA V Semester**
- **Subject - Basic English "Essays".**

Students Will...

Co1: Develop the habit of effective reading.

Co2: know the human life at the universal level.

Co3: Develop their communication Skills through dialogue writing.

Co4: Display of working knowledge in the short stories as a literary genre.

Co5: Deepens LSRW skills.

MAPPING of Cos with Po's and PSO's:

Cos\PO s and PSO's	PO1	PO2	PO3	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9	PSO10
CO1	3	1	3	1	3	3	3	2	3	1	1	2	3
Co2	3	1	3	2	2	3	2	1	2	2	2	2	2
Co3	3	2	3	2	3	2	2	2	3	1	1	2	3
CO4	3	1	3	2	2	3	2	1	2	1	2	2	2
CO5	3	2	3	2	2	3	1	1	2	1	1	2	3

- **Course Outcomes**
- **BA VI Semester**
- **Subject: Basic English “Five Short Essays”.**

Students Will...

Co1: Develop the Habit of effective Reading.

Co2: Obtain better and standard pronunciation in every day life for their communication.

Co3: Understand the human life at universal level.

Co4: Analyze the short essays for their structure and meaning.

Co5: Develop their writing skills through short stories.

MAPPING of Cos with Po's and PSO's:

Cos\POs and PSO's	P01	P02	P03	PS01	PS02	PS03	PS04	PS05	PS06	PS07	PS08	PS09	PS010
CO1	3	1	3	1	3	3	3	2	3	1	1	2	3
Co2	3	1	3	2	2	3	2	1	2	2	2	2	2
Co3	3	2	3	2	3	2	2	2	3	1	1	2	3
CO4	3	1	3	2	2	3	2	1	2	1	2	2	2
CO5	3	2	3	2	2	3	1	1	2	1	1	2	3

- **Course Outcomes**
- **B. Sc I Semester**
- **Subject- Basic English“Vibrant English”**

Students Will...

Co1: Explore the true meaning and purpose of Science and Religion.

Co2: Be Inspired to think critically through Motivational text.

Co3: Understand the genre of Literature such as Short story, Philosophical Essays, prose and Poetry etc.

Co4: Enhance their comprehensive level of English Grammar.

Co5: Identify the Style of writing, themes and art of Characterization.

Co6: Learn the Figurative Languages.

Co7: Enhance their communicative skills through Report writing, dialogue Writing etc.

MAPPING of Cos with Po's and PSO's:

Cos\POs and PSO's	PO1	PO2	PO3	PS01	PS02	PS03	PS04	PS05	PS06	PS07	PS08	PS09	PS010
CO1	3	1	3	1	3	3	3	2	2	3	1	3	3
Co2	3	1	3	2	2	3	2	1	2	3	2	3	2
Co3	3	2	3	2	3	2	2	2	3	3	1	3	3
CO4	3	1	3	2	2	3	2	1	1	2	2	3	2
CO5	3	2	3	2	2	3	1	1	2	3	1	3	3
Co6	3	2	3	3	2	3	2	1	3	2	3	3	3
Co7	3	2	3	3	3	3	3	3	2	2	1	3	3

- **Course Outcomes**
- **B. Sc II Semester**
- **Subject-Basic English “Vibrant English”**

Students Will...

Co1: Will develop their reading skills.

Co2: Be Inspired to think critically.

Co3: Understand the genre of Literature such as Short story, Philosophical Essays, prose and Poetry etc.

Co4: Enhance their comprehensive level of English Grammar.

Co5: Identify the Style of writing, themes that are extracted from real life experiences.

Co6: Learn the Figurative Languages.

Co7: Enhance their communicative skills through Report writing, dialogue Writing etc.

Co8: Develop their career through writing skills such as Resume Writing.

MAPPING of Cos with Po’s and PSO’s:

Cos\POs and PSO’s	PO1	PO2	PO3	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9	PSO10
CO1	3	1	3	1	3	3	3	2	2	3	1	3	3
Co2	3	1	3	2	2	3	2	1	2	3	2	3	2
Co3	3	2	3	2	3	2	2	2	3	3	1	3	3
CO4	3	1	3	2	2	3	2	1	1	2	2	3	2
CO5	3	2	3	2	2	3	1	1	2	3	1	3	3
Co6	3	2	3	3	2	3	2	1	3	2	3	3	3
Co7	3	2	3	3	3	3	3	3	2	2	1	3	3

- **Course Outcomes**
- **B. Sc III Semester**
- **Subject-Basic English.**
- **“Eco-English”**

Students Will...

Co1: Will develop their reading skills.

Co2: Be Inspired to think critically.

Co3: Enhance their Creative Writing.

Co4: Enhance their comprehensive level of English Grammar.

Co5: Identify the Style of writing, themes that are extracted from Environment.

Co6: Enrich their vocabulary, Speech practices through suggested texts.

MAPPING of Cos with Po's and PSO's:

Cos\PO s and PSO's	Po1	Po2	Po3	Ps01	Ps02	PS03	PS04	PS05	PS06	PS07	PS08	PS09	PS010
CO1	2	1	3	1	3	3	-	-	3	3	3	3	3
Co2	2	1	3	2	3	3	-	-	3	3	3	3	2
Co3	2	2	3	2	3	2	-	-	3	3	3	3	3
CO4	2	1	3	2	3	3	-	-	3	3	3	3	2
CO5	2	2	3	2	3	3	-	-	3	3	3	3	3
Co6	2	2	3	3	3	3	-	-	3	3	3	3	3

- **Course Outcomes**
- **B. Sc IV Semester**
- **Subject -Basic English.**
- **“Eco-English”**

Students Will...

Co1: Will develop their reading skills.

Co2: Be Inspired to think critically.

Co3: Enhance their Creative Writing.

Co4: Enhance their comprehensive level of English Grammar.

Co5: Identify the Style of writing, themes that are extracted from Environment.

Co6: Enrich their vocabulary, Speech practices through suggested texts.

Co7: Build their career through Eco English.

MAPPING of Cos with Po's and PSO's:

Cos\PO s and PSO's	P01	P02	P03	Ps01	Ps02	Ps03	PS04	PS05	PS06	PS07	PS08	PS09	Ps010
CO1	2	1	3	1	3	3	-	-	3	3	3	3	3
Co2	2	1	3	2	3	3	-	-	3	3	3	3	2
Co3	2	2	3	2	3	2	-	-	3	3	3	3	3
CO4	2	1	3	2	3	3	-	-	3	3	3	3	2
CO5	2	2	3	2	3	3	-	-	3	3	3	3	3
Co6	2	2	3	3	3	3	-	-	3	3	3	3	3

- **Course Outcomes**
- **B. Sc I Semester**
- **Subject- Additional English Seven One Act Plays**
- **Students Will...**

Co1: Explore the true meaning and purpose of One Act Plays.

Co2: Be Inspired to think critically through Motivational text.

Co3: Understand the genre of Literature Drama.

Co4: Enhance their comprehensive level of English Grammar.

Co5: Identify the Style of writing, themes and art of Characterization.

Co6: Learn the Figurative Languages.

Co7: Enhance their communicative skills through Report writing, dialogue Writing etc.

MAPPING of Cos with Po's and PSO's:

Cos\PO s and PSO's	PO1	PO2	PO3	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9	PSO10
CO1	3	1	3	1	3	3	3	2	2	3	1	3	3
Co2	3	1	3	2	2	3	2	1	2	3	2	3	2
Co3	3	2	3	2	3	2	2	2	3	3	1	3	3
CO4	3	1	3	2	2	3	2	1	1	2	2	3	2
CO5	3	2	3	2	2	3	1	1	2	3	1	3	3
Co6	3	2	3	3	2	3	2	1	3	2	3	3	3
Co7	3	2	3	3	3	3	3	3	2	2	1	3	3

- **Course Outcomes**
- **B. Sc II Semester**
- **Subject-Basic English “Cutting Edge”**

Students Will...

Co1: Will develop their reading skills.

Co2: Be Inspired to think critically.

Co3: Understand the genre of Literature such as Short story, Philosophical Essays, prose and Poetry etc.

Co4: Enhance their comprehensive level of English Grammar.

Co5: Identify the Style of writing, themes that are extracted from real life experiences.

Co6: Learn the Figurative Languages.

Co7: Enhance their communicative skills through Report writing, dialogue Writing etc.

Co8: Develop their career through writing skills such as Resume Writing.

MAPPING of Cos with Po's and PSO's:

Cos\POs and PSO's	PO1	PO2	PO3	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9	PSO10
CO1	3	1	3	1	3	3	3	2	2	3	1	3	3
Co2	3	1	3	2	2	3	2	1	2	3	2	3	2
Co3	3	2	3	2	3	2	2	2	3	3	1	3	3
CO4	3	1	3	2	2	3	2	1	1	2	2	3	2
CO5	3	2	3	2	2	3	1	1	2	3	1	3	3
Co6	3	2	3	3	2	3	2	1	3	2	3	3	3
Co7	3	2	3	3	3	3	3	3	2	2	1	3	3

- **Course Outcomes**
- **B. Sc III Semester**
- **Subject-Additional English.**
- **Invisible Man**

Students Will...

Co1: Will develop their reading skills.

Co2: Be Inspired to think critically.

Co3: Enhance their Creative Writing.

Co4: Enhance their comprehensive level of English Grammar.

Co5: Identify the Style of writing, themes that are extracted from Environment.

Co6: Enrich their vocabulary, Speech practices through suggested texts.

MAPPING of Cos with Po's and PSO's:

Cos\PO s and PSO's	Po1	Po2	Po3	Ps01	Ps02	PS03	PS04	PS05	PS06	PS07	PS08	PS09	PS010
CO1	2	1	3	1	3	3	-	-	3	3	3	3	3
Co2	2	1	3	2	3	3	-	-	3	3	3	3	2
Co3	2	2	3	2	3	2	-	-	3	3	3	3	3
CO4	2	1	3	2	3	3	-	-	3	3	3	3	2
CO5	2	2	3	2	3	3	-	-	3	3	3	3	3
Co6	2	2	3	3	3	3	-	-	3	3	3	3	3

- **Course Outcomes**
- **B. Sc IV Semester**
- **Subject –Additional English.**
- **FINAL SOLUTIONS**

- **Students Will...**

Co1: Will develop their reading skills.

Co2: Be Inspired to think critically.

Co3: Enhance their Creative Writing.

Co4: Enhance their comprehensive level of English Grammar.

Co5: Identify the Style of writing, themes that are extracted from Environment.

Co6: Enrich their vocabulary, Speech practices through suggested texts.

CO7: Build their career through Eco English.

MAPPING of Cos with Po's and PSO's:

Cos\PO s and PSO's	P01	P02	P03	Ps01	Ps02	PS03	PS04	PS05	PS06	PS07	PS08	PS09	PS010
CO1	2	1	3	1	3	3	-	-	3	3	3	3	3
Co2	2	1	3	2	3	3	-	-	3	3	3	3	2
Co3	2	2	3	2	3	2	-	-	3	3	3	3	3
CO4	2	1	3	2	3	3	-	-	3	3	3	3	2
CO5	2	2	3	2	3	3	-	-	3	3	3	3	3
Co6	2	2	3	3	3	3	-	-	3	3	3	3	3

- **Course Outcomes**
- **BCA I Semester**
- **Subject- Additional English Seven One Act Plays**

- **Students Will...**

Co1: Explore the true meaning and purpose of One Act Plays.

Co2: Be inspired to think critically through Motivational text.

Co3: Understand the genre of Literature Drama.

Co4: Enhance their comprehensive level of English Grammar.

Co5: Identify the Style of writing, themes and art of Characterization.

Co6: Learn the Figurative Languages.

Co7: Enhance their communicative skills through Report writing, dialogue Writing etc.

MAPPING of Cos with Po's and PSO's:

Cos\PO s and PSO's	PO1	PO2	PO3	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9	PSO10
CO1	3	1	3	1	3	3	3	2	2	3	1	3	3
Co2	3	1	3	2	2	3	2	1	2	3	2	3	2
Co3	3	2	3	2	3	2	2	2	3	3	1	3	3
CO4	3	1	3	2	2	3	2	1	1	2	2	3	2
CO5	3	2	3	2	2	3	1	1	2	3	1	3	3
Co6	3	2	3	3	2	3	2	1	3	2	3	3	3
Co7	3	2	3	3	3	3	3	3	2	2	1	3	3

- **Course Outcomes**
- **BCA II Semester**
- **Subject-Basic English “Cutting Edge”**

Students Will...

Co1: Will develop their reading skills.

Co2: Be Inspired to think critically.

Co3: Understand the genre of Literature such as Short story, Philosophical Essays, prose and Poetry etc.

Co4: Enhance their comprehensive level of English Grammar.

Co5: Identify the Style of writing, themes that are extracted from real life experiences.

Co6: Learn the Figurative Languages.

Co7: Enhance their communicative skills through Report writing, dialogue Writing etc.

Co8: Develop their career through writing skills such as Resume Writing.

MAPPING of Cos with Po's and PSO's:

Cos\POs and PSO's	PO1	PO2	PO3	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9	PSO10
CO1	3	1	3	1	3	3	3	2	2	3	1	3	3
Co2	3	1	3	2	2	3	2	1	2	3	2	3	2
Co3	3	2	3	2	3	2	2	2	3	3	1	3	3
CO4	3	1	3	2	2	3	2	1	1	2	2	3	2
CO5	3	2	3	2	2	3	1	1	2	3	1	3	3
Co6	3	2	3	3	2	3	2	1	3	2	3	3	3
Co7	3	2	3	3	3	3	3	3	2	2	1	3	3

- **Course Outcomes**
- **BCA III Semester**
- **Subject-Additional English.**
- **Invisible Man**

Students Will...

Co1: Will develop their reading skills.

Co2: Be Inspired to think critically.

Co3: Enhance their Creative Writing.

Co4: Enhance their comprehensive level of English Grammar.

Co5: Identify the Style of writing, themes that are extracted from Environment.

Co6: Enrich their vocabulary, Speech practices through suggested texts.

MAPPING of Cos with Po's and PSO's:

Cos\PO s and PSO's	Po1	Po2	Po3	Ps01	Ps02	PS03	PS04	PS05	PS06	PS07	PS08	PS09	PS010
CO1	2	1	3	1	3	3	-	-	3	3	3	3	3
Co2	2	1	3	2	3	3	-	-	3	3	3	3	2
Co3	2	2	3	2	3	2	-	-	3	3	3	3	3
CO4	2	1	3	2	3	3	-	-	3	3	3	3	2
CO5	2	2	3	2	3	3	-	-	3	3	3	3	3
Co6	2	2	3	3	3	3	-	-	3	3	3	3	3

- **Course Outcomes**
- **BCA IV Semester**
- **Subject –Additional English.**
- **FINAL SOLUTIONS**

- **Students Will...**

Co1: Will develop their reading skills.

Co2: Be Inspired to think critically.

Co3: Enhance their Creative Writing.

Co4: Enhance their comprehensive level of English Grammar.

Co5: Identify the Style of writing, themes that are extracted from Environment.

Co6: Enrich their vocabulary, Speech practices through suggested texts.

CO7: Build their career through Eco English.

MAPPING of Cos with Po's and PSO's:

Cos\PO s and PSO's	P01	P02	P03	Ps01	Ps02	PS03	PS04	PS05	PS06	PS07	PS08	PS09	PS010
CO1	2	1	3	1	3	3	-	-	3	3	3	3	3
Co2	2	1	3	2	3	3	-	-	3	3	3	3	2
Co3	2	2	3	2	3	2	-	-	3	3	3	3	3
CO4	2	1	3	2	3	3	-	-	3	3	3	3	2
CO5	2	2	3	2	3	3	-	-	3	3	3	3	3
Co6	2	2	3	3	3	3	-	-	3	3	3	3	3

- **Course Outcomes**
- **BBA I Semester**
- **Subject- Additional English –**
- **Silence! The Court is in Session**
- **Students Will...**

Co1: Explore the true meaning and purpose of Drama.

Co2: Be inspired to think critically through Motivational text.

Co3: Understand the genre of Literature Drama.

Co4: Enhance their comprehensive level of English Grammar.

Co5: Identify the Style of writing, themes and art of Characterization.

Co6: Learn the Figurative Languages.

Co7: Enhance their communicative skills through Report writing, dialogue Writing etc.

MAPPING of Cos with Po's and PSO's:

Cos\PO s and PSO's	PO1	PO2	PO3	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9	PSO10
CO1	3	1	3	1	3	3	3	2	2	3	1	3	3
Co2	3	1	3	2	2	3	2	1	2	3	2	3	2
Co3	3	2	3	2	3	2	2	2	3	3	1	3	3
CO4	3	1	3	2	2	3	2	1	1	2	2	3	2
CO5	3	2	3	2	2	3	1	1	2	3	1	3	3
Co6	3	2	3	3	2	3	2	1	3	2	3	3	3
Co7	3	2	3	3	3	3	3	3	2	2	1	3	3

- **Course Outcomes**
- **BBA II Semester**
- **Subject-Basic English The Story of My Life**

➤ **Students Will...**

Co1: Will develop their reading skills.

Co2: Be inspired to think critically.

Co3: Understand the genre of Literature such as Short story, Philosophical Essays, prose and Poetry etc.

Co4: Enhance their comprehensive level of English Grammar.

Co5: Identify the Style of writing, themes that are extracted from real life experiences.

Co6: Learn the Figurative Languages.

Co7: Enhance their communicative skills through Report writing, dialogue Writing etc.

Co8: Develop their career through writing skills such as Resume Writing.

MAPPING of Cos with Po's and PSO's:

Cos\POs and PSO's	PO1	PO2	PO3	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9	PSO10
CO1	3	1	3	1	3	3	3	2	2	3	1	3	3
Co2	3	1	3	2	2	3	2	1	2	3	2	3	2
Co3	3	2	3	2	3	2	2	2	3	3	1	3	3
CO4	3	1	3	2	2	3	2	1	1	2	2	3	2
CO5	3	2	3	2	2	3	1	1	2	3	1	3	3
Co6	3	2	3	3	2	3	2	1	3	2	3	3	3
Co7	3	2	3	3	3	3	3	3	2	2	1	3	3

- **Course Outcomes**
- **BBA III Semester**
- **Subject-Additional English.**
- **Final Solutions**

Students Will...

Co1: Will develop their reading skills.

Co2: Be Inspired to think critically.

Co3: Enhance their Creative Writing.

Co4: Enhance their comprehensive level of English Grammar.

Co5: Identify the Style of writing, themes that are extracted from Environment.

Co6: Enrich their vocabulary, Speech practices through suggested texts.

MAPPING of Cos with Po's and PSO's:

Cos\PO s and PSO's	Po1	Po2	Po3	Ps01	Ps02	PS03	PS04	PS05	PS06	PS07	PS08	PS09	PS010
CO1	2	1	3	1	3	3	-	-	3	3	3	3	3
Co2	2	1	3	2	3	3	-	-	3	3	3	3	2
Co3	2	2	3	2	3	2	-	-	3	3	3	3	3
CO4	2	1	3	2	3	3	-	-	3	3	3	3	2
CO5	2	2	3	2	3	3	-	-	3	3	3	3	3
Co6	2	2	3	3	3	3	-	-	3	3	3	3	3

- **Course Outcomes**
- **BBA IV Semester**
- **Subject –Additional English.**
- **Invisible Man**

Students Will...

Co1: Will develop their reading skills.

Co2: Be Inspired to think critically.

Co3: Enhance their Creative Writing.

Co4: Enhance their comprehensive level of English Grammar.

Co5: Identify the Style of writing, themes that are extracted from Environment.

Co6: Enrich their vocabulary, Speech practices through suggested texts.

CO7: Build their career through Eco English.

MAPPING of Cos with Po's and PSO's:

Cos\PO s and PSO's	PO1	PO2	PO3	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9	PSO10
CO1	2	1	3	1	3	3	-	-	3	3	3	3	3
Co2	2	1	3	2	3	3	-	-	3	3	3	3	2
Co3	2	2	3	2	3	2	-	-	3	3	3	3	3
CO4	2	1	3	2	3	3	-	-	3	3	3	3	2
CO5	2	2	3	2	3	3	-	-	3	3	3	3	3
Co6	2	2	3	3	3	3	-	-	3	3	3	3	3

Programme outcomes of B Com

Basic English

PO1: Experimental Skills: Students will use the LSRW skills for creating their own way as Poets, Prose writers and editors etc.

PO2: Translator: Students can opt or choose their career as translator in various sectors.

PO3: Opportunities: The students can go for competitive exams conducted by various Government Sectors. And can go for higher studies.



Programme Specific Outcomes

PSO1: Good Writers and Orators - Students will be able to communicate clearly, effectively and handle their day to day affairs well with their knowledge of skills.

PSO2: Communicative Skills – Students will be able to overcome the fear of learning the second language and they will be able to converse fluently.

PSO3: Language Skills – Students will get accuracy in grammar, pronunciation and vocabulary through the prescribed syllabus.

PSO4: Analysis- Students will be able to analyse the texts better and will interpret various genres like prose, poetry and Biographies.

PSO5: Critical Thinking-

Student will be able to write any piece of work creatively and critically through imagination.

PSO6: Intensive Reading-Students will be able to recognize various themes, vocabulary and grammar parts along with focusing on new ideas.

PSO7: Building science and philosophy through language: It enables the students to represent their views in a unique way with the help of language and enhances creative writing.

PSO8: Translators – Graduates with B. Sc / B.A Basic English will be able to translate any piece of work from their mother tongue to English.

PSO9: Presentation Skills- Students will develop their presentation skills through seminars by using ICT tools

PSO10: Creative writing: Helps to acquire the latest writing trends in language study.

Mapping Grades

Strongly Agree - 3

Very Good --- 2

Average --- 1

Not Applicable --- (-)

➤ *Course Outcomes*

➤ *BCom I Semester*

➤ *Subject - Basic English*

➤ *Students Will...*

Co1- Understand logical thinking, reasoning, and learning.

Co2: Critically think about human relations, emotions and will inculcate the intensive reading habit.

Co3: Develop the LSRW skills by the real examples of society.

Co4: Analyze the genre and style of Writing.

Co5: Acquainted with Speaking and listening skills.

Co6: Analyze the imagery and symbolism of the poem.

Co7: Understand the style of writing a tragedy.

Co8: Understand the literary devices.

Co9 and 10: Critically Analyze the poems.

MAPPING of Cos with Po's and PSO's :

Cos\PO s and PSO's	PO1	PO2	PO3	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9	PSO10
CO1	3	1	3	1	3	3	3	2	2	1	1	-	3
Co2	2	2	3	2	2	3	2	1	2	2	2	1	2
Co3	3	2	3	2	3	2	2	2	3	-	1	2	3
CO4	3	1	3	2	3	2	3	3	2	-	2	2	2
CO5	3	2	3	3	2	3	1	-	2	-	1	1	3
Co6	3	1	3	3	2	3	2	1	3	-	3	2	3
Co7	3	2	3	3	3	3	3	3	2	-	1	3	3
Co8	3	3	3	3	2	3	2	3	2	-	2	3	3
Co9	3	2	3	3	3	3	2	2	3	-	2	2	3
Co10	3	1	3	2	1	3	2	1	1	-	2	3	3

➤ **Course Outcomes**

➤ **BCom II Semester**

➤ **Subject: Basic English**

➤ **Students Will...**

Co1- Understand LSRW skills.

Co2: Critically think about human relations, emotions and will inculcate the intensive reading habit.

Co3: Develop the analyzing skills by the real examples of society.

Co4: Analyze the genre and style of Writing.

Co5: Critically think about the society and its system.

Co6: Analyze the imagery and symbolism of the poem.

Co7: Understand the style of writing a tragedy.

Co8: Understand the literary devices.

Co9 and 10: Critically Analyze the poems.

MAPPING of Cos with Po's and PSO's :

Cos\POs and PSO's	PO1	PO2	PO3	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9	PSO10
CO1	3	1	3	1	3	3	3	2	2	1	1	-	3
Co2	2	2	3	2	2	3	2	1	2	2	2	1	2
Co3	3	2	3	2	3	2	2	2	3	-	1	2	3
CO4	3	1	3	2	3	2	3	3	2	-	2	2	3
CO5	3	2	3	3	2	3	1	-	2	-	1	1	3
Co6	3	1	3	3	2	3	2	1	3	-	3	2	2
Co7	3	2	3	3	3	3	3	3	2	-	1	3	3
Co8	3	3	3	3	2	3	2	3	2	-	2	3	3
Co9	3	2	3	3	3	3	2	2	3	-	2	2	3
Co10	3	1	3	2	1	3	2	1	1	-	2	3	2

- **Course Outcomes**
- **BCom III Semester**
- **Subject: Basic English**

➤ **Students Will...**

Co1: Analyze the genre of text and art of characterization.

Co2: Know about the important personalities and their life achievements.

Co3: Understand the style of writing a biography.

Co4: Improve their proficiency in Reading.

Co5: Deepens the appreciation of life.

Co6: Enrich their vocabulary through the study of homophones and homonyms.

Co7: Develop their writing skills through interpretation of notices.

MAPPING of Cos with Po's and PSO's :

Cos\POs and PSO's	PO1	PO2	PO3	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9	PSO10
CO1	3	1	3	1	3	3	3	2	2	1	1	2	3
Co2	3	1	3	2	2	3	2	1	2	2	2	2	2
Co3	3	2	3	2	3	2	2	2	3	1	1	2	3
CO4	3	1	3	2	2	3	2	1	1	1	2	2	2
CO5	3	2	3	2	2	3	1	1	2	1	1	2	3
Co6	3	2	3	3	2	3	2	1	3	1	3	2	3
Co7	3	2	3	3	3	3	3	3	2	1	1	3	3

Department of HINDI

Course Description

Hindi is offered as language for Degree program. The course is of 100 marks. Select ancient Hindi Literature. Doha and Pada of the Medieval and Modern Hindi Literature are introduced in the syllabus. This will enrich skills of the students. Language skills are enhanced by giving focus on Grammar and Comprehension.

Programme Outcomes:

PO1: Effective communication: The student will be able to understand written and verbal communication and present a clear, independent and acceptable comprehension of the society by connecting meaningfully the people, ideas, media and technology.

PO2: Cordial interaction with the society: Respect views of others, accept disagreement with positive spirit and help reach conclusions in group settings.

PO3: Critical analysis: Make thorough and effective decision with behavioural and intellectual integrity for finding remedies for problems or attain the objectives utilizing the knowledge and skills.

PO4: Responsible citizenship: Voluntarily demonstrate empathetic concern for society and national integrity with good awareness about issues related to civil life..

PO5: Morality orientation: Respect different value systems prevailing in the society, comprehend the ethical implications of their activities and to accept responsibility for them.

PO6: Endless acquisition of knowledge: Continuously involve in independent and lifelong learning process in the broadest context of socio-technological changes.

Programme Specific Outcomes (PSO)

I. BA Programme

PSO-1: Advanced understanding and comprehension of the Hindi literature.

PSO-2: Students can go for higher education in Hindi subject.

PSO-3: Students are able to work in Hindi Prachar Sabha, as teacher in School colleges and as media reports, Hindi officer in banks and post office.

PSO-4: They can write some literary articles in Hindi & are also able to Translate in Hindi and other language.

Course : BA

Semester : I Opt.

Hindi Sub : Kathadhara, Hindi Sahitya Ka Itihas

(Adikal)

COS	Description
CO1	To know about Youth influenced by western culture.
CO2	Know about rural life and folk culture.
CO3	Know about identity and female freedom.
CO4	Know about child psychology.
CO5	Learn about the corruption prevailing in the society.

Attainment chart

POs&PSOs	PO1	PO2	PO3	PO4	PO5	PO6	PSO1	PSO2	PSO3	PSO4
CO1	1	1	2	1	1	1	2	1	1	1
CO2	1	1	1	1	2	1	1	1	1	1
CO3	--	1	1	1	2	1	1	--	1	1
CO4	2	2	2	2	1	2	1	--	--	2
CO5	2	1	2	2	2	1	--	1	2	1

Course : BA

Semester : II Opt.

Hindi Sub : Kavya Sanchayika, Vyakarana

COS	Description
CO1	Develop Knowledge of literary forms in Hindi modern poetry.
CO2	Understand the unity and human values.
CO3	Knowledge gain about Romanticism.
CO4	Know about Dalit ideology, thought, exploitation, equal rights, culture and custom etc.
CO5	Understand the political, socio-economic status of India

Attainment chart

POs&PSo	PO1	PO2	PO3	PO4	PO5	PO6	PSO1	PSO2	PSO3	PSO4
CO1	2	2	3	1	3	1	2	2	1	1
CO2	3	2	1	2	2	1	2	2	1	1
CO3	1	2	2	1	1		1	2	1	2
CO4	2	2	3	3	2	3	2	2	2	3
CO5	2	1	3	1	2	1	2	2	1	2

Course : BA

Semester : III Opt. Hindi

Sub : Mahaprasthan, Hindi Sahitya Ka Itihas (Bhaktikal & Ritikal)

COS	Descriptio n
CO1	Through Mahaprasthan we studied how traditional mythological themes to reflect more contemporary issues.
CO2	Through Mahaprasthan able to understand historical things.
CO3	Understand the literary trends of Bhaktikal and Ritikal.
CO4	Describing the progressive nature of sant and sufi philosophy of their Bhakti culture.
CO5	Describing the Krishna Bhakti & Ram Bhakti poetry of Suradas & Tulasidas with the philosophy of their Bhakti culture.

Attainment chart

POs&PSo	PO1	PO2	PO3	PO4	PO5	PO6	PSO1	PSO2	PSO3	PSO4
CO1	2	2	3	3	2	2	2	1	3	2
CO2	2	3	3	1	2	2	3	2	1	1
CO3	2	2	3	2	2	1	3	1	2	1
CO4	2	2	3	2	1	2	2	2	2	3
CO5	2	3	2	2	3	2	2	1	2	--

Course : BA

Semester : IV Opt.

Hindi Sub : Ekanki Sankalan, Vyakarana

COS	Description
CO1	Acquainted with language, style, dialogue structure of the one act play.
CO2	Learns Social values and morality through one act play.
CO3	Know about the humanity.
CO4	Know the social status between rich and poor.
CO5	Get information about grammar.

Attainment chart

POs&PSo	PO1	PO2	PO3	PO4	PO5	PO6	PSO1	PSO2	PSO3	PSO4
CO1	3	3	2	3	3	2	--	1	2	1
CO2	3	2	3	2	3	3	2	2	3	2
CO3	2	2	3	3	3	2	2	2	3	2
CO4	2	3	3	3	2	2	3	2	2	1
CO5	3	2	3	2	3	3	2	1	2	1

Course :

Semester : V Opt. Hindi

Sub : Bakari,

COS	Description
CO1	Develop the drama reading skills .
CO2	Able to understand the injustice, corruption atrocities on the poor and illiterate people by politicians.
CO3	Obtained information about medieval poetry .
CO4	Know about the Kabirdas, Jayasi, Tulasidas, Suradas, & Meerabai philosophy and their devotional thoughts.
CO5	Understanding the literary trends of medieval age.

Attainment chart

POs&PSo	PO1	PO2	PO3	PO4	PO5	PO6	PSO1	PSO2	PSO3	PSO4
CO1	2	3	3	3	3	2	1	2	1	1
CO2	3	2	3	3	2	2	2	2	1	--
CO3	2	3	3	2	2	3	2	1	2	1
CO4	3	2	3	2	3	3	2	1	--	1
CO5	2	2	3	--	2	1	1	--	2	1

Course :

Semester : V Opt. Hindi

Sub : Chand aur Alankar, Hindi Sahitya Ka Itihas (Adhunik kal)

COS	Descriptio n
CO1	Generate interest in Hindi literature.
CO2	Understand nationalistic values through the study of Hindi literature.
CO3	Identifying the eminent Hindi Writers of each period.
CO4	Know the pattern of rhythm and sound in poetry through prosody.
CO5	Get information about figures of speech.

Attainment chart

POs&PSo	PO1	PO2	PO3	PO4	PO5	PO6	PSO1	PSO2	PSO3	PSO4
COs										
CO1	3	2	2	1	2	3	1	2	--	1
CO2	3	2	3	3	--	2	1	2	1	2
CO3	2	3	2	2	3	2	--	1	2	1
CO4	2	2	3	2	3	1	1	1	2	--
CO5	3	3	2	1	3	1	1	--	2	--

Course :

Semester : VI Opt. Hindi

Sub : Giligaddu, The study of official Correspondence in Hindi & Translation

COS	Description
CO1	Develop the novel reading skills.
CO2	Inculcate human and moral values in social life.
CO3	Develop writing and communication skills .
CO4	Acquire skills of drafting official documents.
CO5	Able to write formal and informal letters.

Attainment chart

POs&PSo	PO1	PO2	PO3	PO4	PO5	PO6	PSO1	PSO2	PSO3	PSO4
CO1	2	3	3	2	3	3	1	1	--	1
CO2	1	2	2	1	2	--	1	1	2	1
CO3	3	2	3	3	1	3	1	--	2	1
CO4	3	3	2	3	1	1	2	1	2	--
CO5	3	3	3	2	--	1	1	--	--	1

Course :

Semester : VI Opt. Hindi

Sub : Politics & Literary Criticism, History of Hindi Language & Philology

COS	Descriptio n
CO1	Know the various methods to the study of language.
CO2	Develop knowledge of Hindi Linguistics and grammars.
CO3	Able to analyses the development of Khadi boli.
CO4	Able to understands the Classical poetry.
CO5	Understands the types of literature.

Attainment chart

POs&PSo COs	PO1	PO2	PO3	PO4	PO5	PO6	PSO1	PSO2	PSO3	PSO4
CO1	2	3	2	1	2	2	1	--	2	1
CO2	3	3	2	3	1	2	--	1	--	2
CO3	3	3	3	2	2	--	1	2	2	1
CO4	2	3	3	3	2	--	--	1	2	1
CO5	2	3	3	1	2	3	--	1	2	3

Course :

Semester : I Basic

Sub : Abhinava Katha Bhakti, Vyakarana

COS	Description
CO1	Develop the story reading skills.
CO2	Understand the relation between man-nature and mother-child.
CO3	Know about an Indian women's nature and culture.
CO4	Understand the human and moral values.
CO5	Get information about grammar like, noun, verb, adjectives etc.

Attainment chart

POs&PSo	PO1	PO2	PO3	PO4	PO5	PO6	PSO1	PSO2	PSO3	PSO4
COs										
CO1	1	3	2	2	1	--	1	2	1	--
CO2	2	1	2	2	3	2	1	--	2	1
CO3	--	1	2	1	3	1	2	1	1	--
CO4	1	3	2	--	1	2	2	1	1	--
CO5	3	3	3	3	3	2	1	2	2	1

Course :

Semester : II Basic

Sub : Kavyasaragam, Anuvada Our Nibandha

COS	Description
CO1	Understand about patriotism and freedom struggle.
CO2	Depicts pre-independence slavery.
CO3	Explains the world war and its consequences.
CO4	Explains Humanity
CO5	Explains the relationship between humans and society

Attainment chart

POs&PSo	PO1	PO2	PO3	PO4	PO5	PO6	PSO1	PSO2	PSO3	PSO4
CO1	2	2	3	3	3	--	3	1	3	3
CO2	1	3	2	3	3	2	3	--	3	3
CO3	--	2	3	1	3	--	3	2	3	3
CO4	--	3	2	2	3	2	3	--	3	3
CO5	1	3	2	3	3	--	3	3	3	2

Course :

Semester : III Basic

Sub : Adhe-Adhure, Anuvad

COS	Description
CO1	To Know about Translation.
CO2	To Know about Youth influenced by western culture.
CO3	Explains sociological and psychological study of our society, family, individuals and their mutual relations.
CO4	Gain the knowledge about changing roles of women in the modern urban setup and the changing dynamics of family.
CO5	To know about Indian middle-class life and environment.

Attainment chart

POs&PSo	PO1	PO2	PO3	PO4	PO5	PO6	PSO1	PSO2	PSO3	PSO4
CO1	3	3	2	3	1	--	--	--	1	2
CO2	--	3	2	3	3	2	1	2	2	1
CO3	--	1	2	3	3	2	1	--	2	--
CO4	1	3	2	3	2	1	3	1	1	--
CO5	1	2	2	3	3	1	2	1	1	--

Course : B.Sc/BCA

Semester : IV Basic

Hindi Sub : Gadya Amrut, Nibandha

COS	Description
CO1	Human values are stated.
CO2	To make students aware of the character of the ideal person.
CO3	Society's attitude towards women
CO4	Explain familiarize with culture and ideal person.
CO5	To get knowledge about importance of civilization.

Attainment chart

POs&PSo	PO1	PO2	PO3	PO4	PO5	PO6	PSO1	PSO2	PSO3	PSO4
CO_s										
CO1	--	2	2	--	2	2	1	--	1	1
CO2	1	3	2	3	3	--	1	2	2	1
CO3	--	2	2	2	3	--	2	1	1	--
CO4	1	2	2	3	3	2	1	--	1	2
CO5	1	2	2	3	3	2	--	1	2	2

Course :

Semester : I Basic

Sub : Gadya Jyoti, Patra lekhan Anuvad

COS	Description
CO1	Describes the starvation and suffering pervading society.
CO2	Human sentiment is depicted.
CO3	Philosophy of life values in a changing environment.
CO4	Know about affinity towards beings.
CO5	To know about Translation.

Attainment chart

POs&PSo	PO1	PO2	PO3	PO4	PO5	PO6	PSO1	PSO2	PSO3	PSO4
CO1	3	2	2	3	3	3	1	2	1	1
CO2	--	2	2	--	2	1	--	--	1	2
CO3	--	3	2	2	3	--	1	2	2	1
CO4	1	2	1	1	2	1	--	--	2	2
CO5	1	2	2	2	1	1	--	--	2	1

Course :

Semester : II Basic

Sub : Gadya Manjari, Nibandha, Paribhashik Shabdavali

COS	Description
CO1	Enceinte from of female abuse.
CO2	Depiction of evil practices in society.
CO3	To develop essay writing skill.
CO4	Study of mythological words.
CO5	Learn about important of essay writing skill.

Attainment chart

POs&PSo COs	PO1	PO2	PO3	PO4	PO5	PO6	PSO1	PSO2	PSO3	PSO4
CO1	--	1	2	3	3	3	2	1	1	--
CO2	1	2	2	1	3	2	--	1	1	--
CO3	2	3	2	2	1	1	--	1	2	2
CO4	1	2	2	1	1	3	1	1	1	--
CO5	1	3	2	2	1	2	--	--	1	1

Course :

Semester : III Basic

Sub : Abhinava Katha Bhakti,

COS	Description
CO1	Develop the story reading skills.
CO2	Understand the relation between man-nature and mother-child.
CO3	Know about an Indian women's nature and culture.
CO4	Understand the human and moral values.
CO5	Get information about grammar like, noun, verb, adjectives etc.

Attainment chart

POs&PSo	PO1	PO2	PO3	PO4	PO5	PO6	PSO1	PSO2	PSO3	PSO4
CO1	1	3	2	2	1	--	1	2	1	--
CO2	2	1	2	2	3	2	1	--	2	1
CO3	--	1	2	1	3	1	2	1	1	--
CO4	1	3	2	--	1	2	2	1	1	--
CO5	3	3	3	3	3	2	1	2	2	1

Course :

Semester : IV Basic

Sub : Katha Manjari, Samanya Nibhanda,

COS	Description
C01	Abel to understand how to write essay.
C02	Know about rural life and folk culture.
C03	Know about identity and female freedom.
C04	Learn about the corruption prevailing in the society.
C05	To know about translation.

Attainment chart

POs&PSo COs	PO1	PO2	PO3	PO4	PO5	PO6	PSO1	PSO2	PSO3	PSO4
C01	2	2	3	2	2	1	--	--	1	2
C02	1	1	1	1	2	1	1	1	1	1
C03	--	1	1	1	2	1	1	--	1	1
C04	2	1	2	2	2	1	--	1	2	1
C05	3	3	2	3	2	3	1	2	1	--

DEPARTMENT OF KANNADA

COURSE DESCRIPTION

Kannada is offered as a language for Degree program. The course is of 100 marks. Select ancient Kannada Literature, Vachanas and Keerthanas of the Medieval & Modern Kannada Literature are introduced in the syllabus. This will enrich the poetic skills of the students. Language skills are enhanced by giving focus on Grammar and Comprehension.

PROGRAM OUTCOMES

PO1. Realization of Human values & Human ethics: students learn decision making, leading their life, what is good for individual & society by studying poetry and prose of Kannada.

PO2. Sense of social service and Responsible citizen: Students become responsible citizens by learning values and involve into social service by studying about great persons (Dr. B. R. Ambedkar, A. P. J. Abdul Kalam, Indira Lakshmi), biography & struggles of freedom fighters (Kittur rani Chennamma, S. C. Bose, Swami Vivekananda).

PO3. Gain knowledge in literature, culture, grammar: Students gain knowledge about various literatures and embrace good cultures by reading Kannada (travel stories, folklore, lyrics, psalms etc) learn grammar (shabdhamanidarpana)

PO4. Creativity, skills development: By reading novels and stories and dramas students understand history and it develops their creativity, skills and thinking ability, develops acting skills, dialogue presenting and facial expression.

PROGRAM SPECIFIC OUTCOMES

The department of Kannada offers courses such as Basic Kannada and Optional Kannada. By studying Kannada Basic and Optional subjects, they will be exposed to Kannada Literary forms.

PSO1. Higher studies & get into teaching field: The B.A. graduate can pursue B.Ed. course, Post Graduate Studies in MA Kannada. Take teaching as their career in higher education institutions like Degree colleges and Universities.

PSO2. Research activities: Students will be involved in research activities after learning the style, specialty and significance of Kannada Language of different periods like old Kannada, Medieval Kannada and Modern Kannada (Pampa Damanapura, vachanas, folklore etc),.

PSO3. Competitive examinations: They are eligible to appear for any competitive exams conducted by UPSC, KPSC, and Indian Railway Board etc. for entering into the government services.

PSO4. Career growth: Students can opt for other career options like Journalism, Tourism, Judiciary (Law), Linguistics etc.

COURSE OUTCOMES

1. Bachelor of Arts

A. B.A 6th SEM : Optional Kannada - paper 2

CO1. Students develop a sense of class conflict in society; it helps to develop character, acting skills dialogue and facial expressions. by reading the Shivarathri Drama.

CO2. Since there is impassioned dialogue at play, it helps students learn impassioned speech.It teaches students to stand on stage and speak freely.

CO3. By reading the novel, students develop language skills and ability to recognize letters and words

CO4. The novel is useful for understanding contemporary ideas and for understanding history.

CO5. Travel stories will help students become aware of the region, arts, literature and culture,language of the rituals and dress code,a state, overseas, national and international understandings.

CO6. Students develop personality, human values and creative thinking while traveling with students.

CO7. Reading review works develops language skills, reading habits, literary, rational and creative thinking in students.

CO8. It is very helpful to look critically at the poetry of the great poets who resort to the same thing. Reading critical works is essential to understand other languages.

Course outcomes	PO1	PO2	PO3	PO4	PSO1	PSO2	PSO3	PSO4
CO1	3	1	2	3	3	-	1	-
CO2	-	1	2	3	3	-	1	-
CO3	-	1	2	3	3	-	1	-
CO4	1	1	2	3	3	1	1	-
CO5	-	1	2	3	3	-	1	-
CO6	3	1	2	3	3	1	1	-
CO7	-	1	2	3	3	-	1	-
CO8	-	1	2	3	3	1	1	-

B. B.A 6th SEM : Optional Kannada - paper 1

CO1. What is Culture? : To make students aware of Kannada culture with our Indian culture

CO2. Kannada Culture: Our pride

Kannada culture is about raising the awareness of the people of Kannada country, for their behavior, ideas, dress, ritual, family unity.

CO3. Research: Facilitate the study of past and present knowledge in Kannada

CO4. Pampa Damanapura is a fieldwork in research

CO5. Way of criticism: Criticizing works by other poets who resort to the same thing.

CO6. The nature of philosophers' philosophy: In our Indian culture, those ideas of philosophy written by rationalists are the way of life for students.

CO7. Conduction-sense scope: Conduction is essential in the life of a student. Is the everyday tool of the human being?

CO8. Journalism: Journalism students will find it useful in today's modern techniques.

CO9. Inscription: If you want to know the past history inscriptions are very useful for students.

CO10. Manuscripts: Manuscripts can be very helpful for students to learn about past events

Course outcomes	PO1	PO2	PO3	PO4	PSO1	PSO2	PSO3	PSO4
CO1	1	1	3	1	2	-	1	1
CO2	1	1	3	1	2	-	1	1
CO3	1	-	-	-	1	3	1	-
CO4	-	-	-	-	2	3	1	-
CO5	1	1	-	-	-	-	-	-
CO6	1	-	1	-	-	-	-	-
CO7	1	-	-	-	-	-	1	-
CO8	1	-	-	-	-	-	1	3
CO9	1	-	-	-	-	1	-	3
CO10	1	-	-	-	1	-	1	1

C. B.A 6th SEM :Basic Kannada

Poetry section

Co1. Students learn kindness is origin of religion, being kind on people, animals, nature etc by Yashodaracharite.

Co2. Students learn about vachanas and tripadis of sarvadnya which makes them good person and tells reality of real life.

Co3. Student learns about agriculture saying a country without agriculture is badluck by kumaravyasa poem. And understands tribal people and their labour.

Co4. Students learn about some religions which has not freed woman from fear. Restrictions on woman in the name of tradition and culture.

Prose section

Co5. In the folklore student learns village people and poor people's work life, intelligence & their self confidence in works.

Co6. Students understand religion is not about building temples or doing social worship or religion is not in scripture, speeches, fasting or organizations, religion is Realization.

Co7. Students understand importance of research in linguistics and language science studies. Also in next learns about Dr.B.RAmbedkara: voice of poor, discriminated and scheduled people.

Co8. Students understand that society has given god position to woman as motherland, mother tongue etc but woman is affecting by rape by some people in society and no society is coming forward and no freedom for woman.

Co9. Students get to know Indian film industry and other language films are kept away from woman sensation. Even though women are acting, the sensation for them not given importance.

Course outcomes	PO1	PO2	PO3	PO4	PSO1	PSO2	PSO3	PSO4
CO1	2	3	2	-	1	2	2	1
CO2	3	3	2	2	1	3	3	1
CO3	1	2	-	-	1	-	-	-
CO4	1	3	1	1	1	1	-	-
CO5	1	2	1	1	1	2	2	1
CO6	3	2	-	-	1	2	1	1
CO7	3	3	1	1	1	1	1	1
CO8	3	1	2	2	1	-	-	1
CO9	2	1	1	1	1	-	-	1

D. B.A 5th SEM : Optional Kannada- paper 1

Co1. Introducing folklore literature stoutly and students learn special folklore performance art garati songs, choudakipada, and story.

Co2. Students learn Alankara and kannada chandassu, open drama, aata, bayalata.

Co3. Students learn the koravanji context, yakshagana, gondaligarata, bombeaata.

Course outcomes	PO1	PO2	PO3	PO4	PSO1	PSO2	PSO3	PSO4
CO1	2	3	3	3	2	3	2	1
CO2	1	1	3	3	3	3	3	2
CO3	3	3	3	3	2	2	2	1

E. B.A 5th SEM : Optional Kannada- paper 2

Co1.Students learns English grammar legacy, linguistics, soundboard mirror, shabdhamanidarpana, shabdhamani, smruti, shabdanushasana.Comprehensive and authoritative work on Kannada grammar.

Co2.students learns about linguistic, kannada language learning, nature of language, classification of language, study kannadadhvani, dhvanima, kannadaakrutima.

Course outcomes	PO1	PO2	PO3	PO4	PSO1	PSO2	PSO3	PSO4
CO1	1	-	3	1	3	2	3	-
CO2	1	1	3	1	2	2	2	-

F. B.A 5th SEM : Basic Kannada

CO1. Students learn about pampa's war policy, devotion in lord and work.

CO2. Students learn about nature, rituals followed in shravana month and excitement of life in Bendre's poem and also learn about religion politics in kuvempu song.

CO3. Students learn the myth image and folklore legendry story designs.

CO4. Students learn humanitarian values, personality evolution & teaching.

Course outcomes	PO1	PO2	PO3	PO4	PSO1	PSO2	PSO3	PSO4
CO1	2	1	-	-	2	-	1	1
CO2	2	2	3	2	2	2	1	1
CO3	2	1	1	1	1	-	1	-
CO4	3	2	1	1	1	1	-	-

G. B.A 4th SEM : Optional Kannada

CO1. What is Alankara? AlankaraThological Introduction.

CO2. What is Chandassu? ChandassuThological Introduction.

CO3. Types of Alankara

Shabdhalankara:

- Yamaka
- Anuprasa

Arthalankara

- Upame
- Roopaka
- Utpreksha
- Drushtanta
- Swabhavokti

CO4. Ten Songs by Betageri Krishna Sharma : these songs describes about nature, life, beauty, real life history, feelings etc.

Poetry Compilation Book: Nalvadagalu

Course outcomes	PO1	PO2	PO3	PO4	PSO1	PSO2	PSO3	PSO4
CO1	1	-	3	2	3	3	3	1
CO2	1	-	3	2	3	3	3	1
CO3	1	-	3	2	3	3	3	1
CO4	3	2	3	3	1	-	1	-

H. B.A 4th SEM : Basic Kannada

Co1. Students learn about vachanas and keerthanas, vachanastell uncertainty of life and the spiritual privileges of Shiva Bhakta (worshiper of lord Shiva). Keerthana give message of leading a life of peace & harmony.

Co2. Students studies dhanvantari story by nayasena and poem anveshane by great poet shiva rudrappa also study some lyrical literatures by poets.

Co3. students learns what is all about August 15 and why it is to be remembered by poet chandrashekara patil, Independence Day and importance.

Co4. students studies about environment and consciousness about nature, study writing on towards new direction, become good citizen to care about nature.

Co5. studentns study about the silver chunk of war of independence- kittur queen Chennamma, her sacrifices towards Kittur and courage against English people.

Course outcomes	PO1	PO2	PO3	PO4	PSO1	PSO2	PSO3	PSO4
CO1	3	3	2	2	2	2	3	1
CO2	1	1	2	1	2	1	1	-
CO3	2	3	-	-	-	-	1	-
CO4	2	2	1	1	1	-	1	-
CO5	2	3	1	-	1	1	1	-

I. B.A 3rd SEM : Basic Kannada

Poetry section

Co1. Students understands about hope is life disappointment is death and learns a story of mahabharat

Co2. Students learns about basava vachanas and mindfulness is cleanliness of life and learns tatvapada.

Co3. Students understands the impact of globalization pressure on indigenous culture, and feminist thought

Co4. Students understand truth of life by knowing the conversion of Angulimala's mind by Buddha thoughts.

Prose Section

Co5. Students get to know storytelling strategy in story, the concept of Indian theatre.

Co6. Students understand the nature of nicknames and its different use. They learn saint Khusro's contribution to Indian literature and music field.

Co7. Students learn business skills of Indira Lankesh, adventure and about 'Lankesh's patrike' and get to know journalism.

Co8. Students learn Kannada literature socialites, relation to language and caste.

Co9. Students learn about ground based culture animal husbandry, globalization and decontamination.

Course outcomes	PO1	PO2	PO3	PO4	PSO1	PSO2	PSO3	PSO4
CO1	3	3	1	3	2	2	3	-
CO2	3	3	2	1	2	2	2	1
CO3	1	2	1	-	1	-	1	-
CO4	3	3	1	2	2	2	2	-
CO5	2	2	2	2	2	1	-	1
CO6	2	2	2	1	1	1	1	-
CO7	2	3	-	1	1	-	1	3
CO8	1	1	2	1	1	1	1	1
CO9	2	2	-	1	-	-	-	-

J. B.A 3rd SEM : Optional Kannada

CO1. Students learn Indian and western poetry deviation. Poetry features, uses, definitions and learn alankara, dvanisiddhanta.

CO2. Students learn short stories of Basavraj Kattimani. The development of genre form, popular stories of Girija Kanda, Ajnatavasa etc and studies reference texts and literatures.

Course outcomes	PO1	PO2	PO3	PO4	PSO1	PSO2	PSO3	PSO4
CO1	2	2	1	1	1	-	1	-
CO2	2	2	1	1	1	1	-	-

K. B.A 2nd SEM : Optional Kannada

CO1. Reading Optional Kannada students can become language teachers, language scholars

CO2. 8-9th century linguistic style i.e Champu Style can be known and business knowledge can be understood and bring about a mental transformation

CO3. From linguistic positions, he can work as an editor in newspapers, on television and in radio.

CO4. Thinking of different genres of literature produces life vision.

Course outcomes	PO1	PO2	PO3	PO4	PSO1	PSO2	PSO3	PSO4
CO1	2	2	1	1	3	3	3	1
CO2	1	1	1	1	2	2	2	-
CO3	1	1	-	1	1	2	1	3
CO4	1	-	2	1	1	-	1	-

L. B.A 2nd SEM : Basic Kannada

Co1. students learn about part of Ramayana i.e. Sita's abduction by the poem 'Nagachandra'. Learn the values of life also learn 'Harihar Ragale'.

Co2. students learn lyrical songs about new era, season, about idol of god, and poems of great poets. This makes them to learn new literatures.

Co3. Students learn the fights made for freedom, about 47th independence, learn the problems and results of the fight.

Co4. students study 'Daredevil Mustafa' the writing of great writer Tejasvi, about Gandhiji and their values in life.

Co5. students learn writing of A.P.J. Abdul Kalam, how he solved the problem of three kind-hearted people. And understand the problem-solving ideas, and about Kalam sir.

Course outcomes	PO1	PO2	PO3	PO4	PSO1	PSO2	PSO3	PSO4
CO1	3	3	1	1	2	2	2	1
CO2	2	2	1	1	1	1	-	-
CO3	2	2	-	-	1	1	1	1
CO4	1	1	1	-	1	-	-	-
CO5	3	3	-	1	1	1	1	-

M. B.A 1st SEM : Basic Kannada

Co1. Students learn about Pampa narrating Karna's leadership in Mahabharata, old Kannada literature of Shree Vijaya about Karnataka, Kannada language and culture.

Co2. Students study Keerthanas of Purandara Dasa, Vachanas of Chennabasava and learn about life, learning, culture.

Co3. Students learn the new era Kannada poems about Kittur Channamma, good life, thoughts about life by D.V.G.

Co4. Students learn small child's love and respect for country, respect towards Indian flag. Helps to become good citizen of country, importance of national flag.

Co5. Students learn about rationalism in Kuvempu's lyrical literature.

Course outcomes	PO1	PO2	PO3	PO4	PSO1	PSO2	PSO3	PSO4
CO1	2	2	2	-	2	2	1	-
CO2	2	3	3	1	2	2	1	1
CO3	1	2	1	-	1	-	1	-
CO4	2	3	2	2	1	1	1	1
CO5	2	1	2	-	2	1	1	1

N. B.A 1st SEM : Optional Kannada

Co1.Students learns old kannada history, introducing old kannada literature in detail, learns grammar.

Co2.Students learn middle era kannada, literature, the nature of modern pre-literary genres, inspiration.

Co3.Students were introduced about old kannada poets Pampa, Ranna, Nayasena,Janna,Durgasimha and vachanagararu Basavanna, Akkamahadevi etc and their literary works have been introduced.

Course outcomes	PO1	PO2	PO3	PO4	PSO1	PSO2	PSO3	PSO4
CO1	1	1	3	1	2	2	3	1
CO2	1	1	3	1	2	3	3	2
CO3	1	1	3	1	2	2	3	1

O. B Com 1st SEM : Basic Kannada

Co1. Students learn about vachanas and tatvapada Shishunala sharif, and understands about new tatvapada literature, way of leading life.

Co2. Students learn the lyrical poems and janapada poems of great poets, folk puzzles.

Co3.Students learn old kannada literature by studying a story about Dandaka Rishi- Vaddaradhane.

Co4. Students study about relationship between teachers and students, respect towards teachers, and care for students.

Co5. Students learn about new age kannada lyrics of great poet Kuvempu.

Course outcomes	PO1	PO2	PO3	PO4	PSO1	PSO2	PSO3	PSO4
CO1	3	3	3	2	2	3	3	1
CO2	2	2	3	1	2	3	2	-
CO3	2	1	3	1	2	2	1	-
CO4	2	2	1	1	1	-	-	-
CO5	1	1	2	1	2	1	1	-

P. B Com 2nd SEM : Basic Kannada

Co1. Students learn folk literature from folk poetry of great poets. Learns about Gajal culture.

Co2. Students study the respect for kannada literature, devotion and dedication of poets towards kannada. Pride for kannada by famous writer.

Co3. Students study prose about communication media and its importance in today's life, good utilization of technology.

Co4. Students learn about importance and studies, money in life and understands talks of Buddha about life.

Course outcomes	PO1	PO2	PO3	PO4	PSO1	PSO2	PSO3	PSO4
CO1	2	2	3	1	1	2	1	-
CO2	2	3	3	1	1	1	1	-
CO3	2	2	1	2	1	-	1	2
CO4	1	2	1	1	1	-	-	-

Q. B Com 3rdSEM : Basic Kannada

Co1. Students learn about Karnataka, kannada, language and its extent everywhere.

Co2. Students studies the meaningfulvachanas of great poets about home, culture, how to have respect towards teachers, love, rationalism.

Co3. Students study about great Karnataka freedom fighter BelawadiMallamma, her dedication and sacrifice towards Karnataka. And learns about Mahatma in one of the prose.

Co4. Students learn how to be a good behavioral person, about blind concordance how all wishes for money. Donating things to needy people by sudhamurthy.

Course outcomes	PO1	PO2	PO3	PO4	PSO1	PSO2	PSO3	PSO4
CO1	2	2	2	-	2	1	1	-
CO2	3	2	3	1	2	1	2	1
CO3	2	3	1	-	1	1	1	-
CO4	2	3	1	1	1	-	1	-

R. B Com 4thSEM : Basic Kannada

Co1. Students learn vachanas of Ambigarachoudayya learns human values, helps to become a good citizen, study Dasa psalms about debt.

Co2. Students learns a travel story to Shivapura, which helps them to know the famous scriptures, art, tradition and culture of places.

Co3. Students study the bibliography of great singer Gangubai hanagal, struggles she faced, her way towards success.

Course outcomes	PO1	PO2	PO3	PO4	PSO1	PSO2	PSO3	PSO4
CO1	2	3	2	-	2	2	1	-
CO2	3	3	3	1	2	1	2	-
CO3	3	2	-	1	-	1	1	-

S. BSc 3rd SEM : Basic Kannada

Poetry section

Co1. Students study the confines of kannada in the eyes of poet shreevijaya and also learns about the Mahabharat character Bhishma and his great oath by poet Ranna.

Co2. Students learn Karnataka history in the song of govind pi and remember the poems by 10th century poets.

Co3. students studies peoms by nisarahmed and shivarudrappa, wife-husband life's happiest moments and poet's thinking about harvest, the spring and autumn month's life.

Co4. Students learn literary work by poet kanavi which describes about rainy season in Darwad place and difference between past rainfall and current rainy season.

Co5. Students learn about companion of siddayya and donkey, speciality of donkey worship and understand foolish people and their thoughts.

T. Prose section

Co6. Students studies ramamani'snautiness and understand girl child is lamp of home, gender inequality between girl and boy baby. All should be treated as equal.

Co7. students learn about eye sights, people's abuse eye sight and good practice eyesight, does the eye creates the world? And understands if vision is good the every creation looks good.

Co8. students understands human arrogance, arrogance is not good for a person and it may affect his growth. And also learns relation between politician and authority, thinking about others is human natural tendency.

Co9. students learns the beauty of heart richness, the need for fun for life's success and fun lovers in kannada literature.

Course outcomes	PO1	PO2	PO3	PO4	PSO1	PSO2	PSO3	PSO4
CO1	3	2	1	1	2	2	2	1
CO2	3	2	2	1	2	1	1	1
CO3	1	2	2	1	1	1	1	-
CO4	3	2	1	-	2	1	1	-
CO5	2	1	-	-	2	-	-	1
CO6	2	2	1	-	1	-	1	-
CO7	2	3	-	1	1	-	1	-
CO8	1	1	1	1	1	-	1	1
CO9	2	2	2	1	-	-	-	-

U. BSc 4thSEM : Basic Kannada

Co1. Students study old kannada literature by poets of old kannada, learn folk song of Bendre.

Co2. Students study vachana literature to lead good life, and lyrical songs of great poets.

Co3. Students learn about Indian Social activist, anti-caste social reformer Mahatma Jyothirav pule, understands his efforts in educating women and exploited caste people.

Co4. Students study drama SmashanaKurukshestram by great poet Kuvempu. which tells story of mahabharath, kurukshetra fight.

Course outcomes	PO1	PO2	PO3	PO4	PSO1	PSO2	PSO3	PSO4
CO1	2	2	2	1	1	1	1	1
CO2	2	3	2	1	1	2	1	-
CO3	2	3	1	1	1	1	1	-
CO4	1	2	1	1	1	1	1	-

V. BSc 2ndSEM : Basic Kannada

Co1. students learn about old age kannada poems, Bhedadali Hokkiridano Madhusudanu, and old kannada literature, poets character in everyone.

Co2. Students study vachanas of poets, a wish towards money earning, culture and literature of kannada.

Co3. Students learn about Ashoka's transition of mind by reading Buddha's thoughts. Peace of mind is needed for everyone.

Co4. Students study about lif story of C.V.Raman, their inventions and the way they lead their life.

Co5. Students study about Regional language of Uttara Kannada by reading poem about Hubli-Darwar.

Course outcomes	PO1	PO2	PO3	PO4	PSO1	PSO2	PSO3	PSO4
CO1	1	1	2	3	2	2	2	1
CO2	3	3	3	2	2	3	3	2
CO3	1	1	1	-	-	-	2	-
CO4	3	3	-	3	1	2	2	-
CO5	1	1	3	-	1	1	-	1

W. BSc 1st SEM : Basic Kannada

Co1.Students learns about old kannada literatures, general policy, harihara ragale and about a women mallamma by Raghavanka literature.

Co2.Students learns a song on kannada by J.P.Rajaratnam, described about kannada works, kaveri, language, and learns choupadis of Dinakar Desai.

Co3.Students learns famous folklore Garati songs sung by village women and gets to know new general literature.

Co4.Students learns about new Nano technology, manufacturing, and about what is Science? Use of science in today's life. Creations and inventions.

Co5. Students study Folk Therapy. How village peoples treated diseases at home only. And found prevention methods using medicinal plants.

Course outcomes	PO1	PO2	PO3	PO4	PSO1	PSO2	PSO3	PSO4
CO1	2	2	3	-	2	2	2	1
CO2	2	3	3	1	1	1	1	-
CO3	1	1	3	1	1	3	1	-
CO4	1	-	-	3	1	-	1	1
CO5	1	1	2	2	1	1	2	-

PROGRAMME OUTCOMES OF ECONOMICS

- PO: 1 **Knowledge of Economy - KOE:** Students will get and demonstrate detailed knowledge about Economy structure. And functioning of economic system of several countries.
- PO: 2 **Structure of Markets - SOM:** Able to cope up with Contemporary Challenges and issues of markets and realize present world market system.
- PO: 3 **Relationship between Markets and Consumers- RMC:** Students will come to know about Role and impact of consumer behaviours on market
- PO: 4 **Solutions to Economic Problems– SEP2:** Get information and knowledge about different economic crises and find solutions to economic problems.
- PO: 5 **Presentation of Budgets – POB :** Get knowledge about the presentation and functioning of state and central government budget.
- PO: 6 **Different Economic Theories - DET :** Student will know about different forms of economic theories operating in different countries.
- PO: 7 **Economic Evil– EE :** Student will decode Economic crises like inflation deflation and business cycles.

PROGRAMME SPECIFIC OUTCOME OF POLITICAL SCIENCE

- PSO: 1 **Economist and Adviser – EA :** Students can become a economic adviser to government like NSSO, CSO, ES, FYP, and NGO and they themselves can become economists.
- PSO: 2 **Higher Education and Competitive Exams -HECE :** Students can pursue higher education and are eligible face state central competitive exams for civil services and Indian Economic Services
- PSO: 3 **Service for Community - SFC :** Students are able deliver better service to rural community as PDO, Rural Development officer, Village Accountant, Agriculturist, Entrepreneur and Micro Finance officer and Self Help Group.

DEPARTMENT OF ECONOMICS
COURSE OUTCOMES OF ECONOMICS

B.A I Semester

MICRO ECONOMICS

Co: 1 Learning and application of elementary concepts of microeconomics in the real world.

Co: 2 Get introduced to the framework for learning about consumer behaviour and analysing consumer decisions

Co: 3 Demonstrate the knowledge about the law of diminishing marginal utilities and consumer behaviour.

Co: 4 Student would be understand the consumer behaviour under deferent market strategy.

Co: 5 Demonstrate the knowledge about the role of demand and supply in the condition of economic equilibrium and degree of responsiveness of supply and demand for price.

C0s, pos, psos.	<i>Po1 KOE</i>	<i>Po2 SOM</i>	<i>Po3 RMC</i>	<i>Po4 SEP</i>	<i>Po5 POB</i>	<i>Po6 DET</i>	<i>Po7 EE</i>	<i>Pso1 EA</i>	<i>Pso2 HECE</i>	<i>Pso3 SFC</i>
C01	1	2	2	2	2	1	-	2	2	-
C02	-	1	-	2	-	-	-	2	2	-
C03	-	1	-	3	-	-	-	2	2	-
C04	2	1	1	3	2	1	-	2	2	-
C05	-	2	2	2	2	2	-	2	2	-

**B.A II SEMESTER
MICRO ECONOMICS-II**

- Co:1 Get the Knowledge of kinds of costs and revenues
- Co: 2 Get knowledge of difference between firms and industries
- Co: 3 . Understand about Price and output determination in short run & long run under Monopoly and Price discrimination.
- Co: 4 Able to understand about Price and output determination in short run and in long run under Monopolistic Competition. Skimming & Penetration price policy.
- Co: 5 understand about factor of pricing like rent, wages, interest and profit.

C0s, pos, psos.	<i>Po1 KOE</i>	<i>Po2 SOM</i>	<i>Po3 RMC</i>	<i>Po4 SEP</i>	<i>Po5 POB</i>	<i>Po6 DET</i>	<i>Po7 EE</i>	<i>Pso1 EA</i>	<i>Pso2 HECE</i>	<i>Pso3 SFC</i>
C01	1	2	1	2	-	-	3	2	2	-
C02	3	1	1	3	1	3	1	2	2	-
C03	-	-	3	3	-	2	2	2	2	-
C04	-	1	2	3	2	-	1	2	2	-
C05	-	1	2	3	-	1	2	2	3	1

**B.A III SEMESTER
Monitory Economics**

- Co: 1 Students learn and gain knowledge about Money.
- Co: 2 they are able to understand CPI, WPI, and Value of money.
- Co: 3 Students come to know about Impact of Inflation and deflation
- Co: 4 Students get knowledge about structure of Money market and Commercial banks
- Co:5 To Understand about central bank and monetary policy

C0s, pos, psos.	<i>Po1 KOE</i>	<i>Po2 SOM</i>	<i>Po3 RMC</i>	<i>Po4 SEP</i>	<i>Po5 POB</i>	<i>Po6 DET</i>	<i>Po7 EE</i>	<i>Pso1 EA</i>	<i>Pso2 HECE</i>	<i>Pso3 SFC</i>
C01	3	2	-	-	2	1	1	2	3	3
C02	2	1	-	-	1	1	1	2	3	2
C03	2	1	3	-	1	1	1	2	2	2
C04	3	1	1	1	3	3	2	3	3	2
C05	2	2	3	-	3	3	1	3	2	2

B.A IV SEMESTER
International Economics

- Co: 1 Make the students to understand the theories of international trade
- Co: 2 Students come to know about the kinds of trade and trade policy
- Co: 3 Students will get knowledge about the balance of payment.
- Co:4 To understand the foreign exchange and exchange control
- Co:5 To understand about importance of International Economic Organization

C0s, pos, psos.	<i>Po1 KOE</i>	<i>Po2 SOM</i>	<i>Po3 RMC</i>	<i>Po4 SEP</i>	<i>Po5 POB</i>	<i>Po6 DET</i>	<i>Po7 EE</i>	<i>Pso1 EA</i>	<i>Pso2 HECE</i>	<i>Pso3 SFC</i>
C01	-	-	2	-	1	1	2	3	2	1
C02	2	-	2	-	2	2	1	2	2	1
C03	1	1	2	-	1	1	1	3	2	-
C04	1	1	2	-	1	2	1	3	2	1
C05	-	1	3	-	1	-	2	3	2	1

B.A V SEMESTER
MACRO ECONOMICS –I

- Co: 1 Know the evolution meaning, and significance of Macro Economics, National Income and Social Accounting,
- Co: 2 To understand Employment concepts Classical Theory of Income and Employment.
- Co: 3 To Know about Keynesian Theory of Employment-Concepts of Aggregate Demand and Supply functions-Effective Demand and its Determinants.
- Co:4 To know about The Theory of Multiplier & Acceleration Principle-Meaning-Working.
- Co:5 To Understand the Trade Cycles-Meaning-Features and Phases-Theories of Trade Cycles.

C0s, pos, psos.	<i>Po1 KOE</i>	<i>Po2 SOM</i>	<i>Po3 RMC</i>	<i>Po4 SEP</i>	<i>Po5 POB</i>	<i>Po6 DET</i>	<i>Po7 EE</i>	<i>Pso1 EA</i>	<i>Pso2 HECE</i>	<i>Pso3 SFC</i>
C01	1	2	2	-	3	2	2	2	2	2
C02	2	1	2	1	1	1	2	2	2	1
C03	1	2	1	-	3	-	2	2	2	1
C04	1	-	2	3	3	-	2	2	2	1
C05	2	2	1	-	2	-	1	2	2	1

**B.A VI SEMESTER
PUBLIC FINANCE AND FISCAL POLICY**

- Co: 1 After studying this course student will be able to understand the economic analysis of *public* policy issues.
- Co: 2 Students will get knowledge public revenue
- Co: 3 Students will know about public expenditure.
- Co: 4 students get the knowledge about public debt.
- Co:5Students get the insights of budgeting and fiscal deficit.

C0s, pos, psos.	Po1 KOE	Po2 SOM	Po3 RMC	Po4 SEP	Po5 POB	Po6 DET	Po7 EE	Pso1 EA	Pso2 HECE	Pso3 SFC
C01	2	3	2	2	2	2	1	2	1	1
C02	2	2	-	1	2	2	2	2	1	1
C03	2	2	3	2	-	-	1	2	1	1
C04	1	2	2	-	1	-	1	2	1	1
C05	2	2	1	2	1	1	2	1	1	-

**B.A VI SEMESTER
INDIAN ECONOMY PAPER-II (Optional)**

- Co: 1 After studying this course student will be able to understand the Role of infrastructure in the growth of economic development.
- Co: 2 Students will get knowledge about the role of agricultural development in economic growth.
- Co: 3 Students will get knowledge about the role of industrial development in economic growth.
- Co: 4 students will able to understand the relationship between poverty and unemployment.
- Co:5Students get the insights of foreign trade relations between different countries

C0s, pos, psos.	Po1 KOE	Po2 SOM	Po3 RMC	Po4 SEP	Po5 POB	Po6 DET	Po7 EE	Pso1 EA	Pso2 HECE	Pso3 SFC
C01	2	3	2	2	2	2	1	2	1	1
C02	2	2	-	1	2	2	2	2	1	1
C03	2	2	3	2	-	-	1	2	1	1
C04	1	2	2	-	1	-	1	2	1	1
C05	2	2	1	2	1	1	2	1	1	-

**B.A VI SEMESTER
KARNATAKA ECONOMY PAPER-II (Optional)**

- Co: 1 After studying this course student will be able to understand the characteristics of Karnataka economy
- Co: 2 Students will get knowledge about role of human resources in Karnataka economy
- Co: 3 Students will know about cropping pattern of Karnataka economy
- Co: 4 students get the knowledge about role of government policies and role of industrial sectors..
- Co:5Students will be able to understand the role of infrastructures in Karnataka economic development

C0s, pos, psos.	<i>Po1 KOE</i>	<i>Po2 SOM</i>	<i>Po3 RMC</i>	<i>Po4 SEP</i>	<i>Po5 POB</i>	<i>Po6 DET</i>	<i>Po7 EE</i>	<i>Pso1 EA</i>	<i>Pso2 HECE</i>	<i>Pso3 SFC</i>
C01	2	3	2	2	2	2	1	2	1	1
C02	2	2	-	1	2	2	2	2	1	1
C03	2	2	3	2	-	-	1	2	1	1
C04	1	2	2	-	1	-	1	2	1	1
C05	2	2	1	2	1	1	2	1	1	-

Department of History and Archaeology:

Program Outcome of Bachelor of Arts (B.A):

PO.01: Hence we can say that history has surrounded us and waits for the right time to explode. It never lets one to forget past easily.

PO.02: Present the own need and facilities. Some try to forget History where as some view History as per their necessity. All the sage and saints through their saying portray history is very good it means that everyone is utilizing history according to their perspective only thing is we don't realize it as it is past and parcel of our life.

PO.03: When it becomes violent and aggressive, then we realize that past is still alive and exists. None of the countries can history of its own and make a new beginning.

PO.04: In this way, History always is alive giving a direction to presents hence history cannot be considered as only a syllabus to study. Countries may be ruled or became independent anytime but the feelings of patriotism remain in the hearts of the people. History provors people about going independence whenever they are ruled by.

PO.05: One historical truth is past condition creating present and it can giving new birth to future and so it is important to remind it.

History and Archaeology Specific Outcomes:

PSO. 01: The Department of History and Archaeology outlined program outcomes for the Holistic Knowledge and culture, citizens, Humanities Development of the Students like capability of independent leaning.

PSO. 02: Student seeking Admission for BA Program is expected to imbue with following quality which helps them in their future life to achieve the expected Goals.

PSO. 03: The BA graduates can pursue B.Ed. course and Opt- Teaching Career in the Schools. Also they can do post graduate Studies in their Respective Subjects studies in “Under Graduate” level.

PSO. 04: After their Post Graduation they may do M.Phil or Ph.D. and take teaching as their career in higher Education intuitions like Degree colleges and Universities.

PSO. 05: Write the history of events in a scientific and secular temper.

PSO. 06: Student can avail good opportunities to work in the field
of archaeology , education and research

Other Career Options:- Journalism, Tourism, LLB (Law) etc. They are eligible to appear for any competitive examination conducted by UPSC, KPSC, Other Government services and Public Service Commission exams, Indian Railway Board, etc. They also pursue their studies in doing MBA, MTA, PG Diploma in Epigraphy (PGDE), PG Diploma in Archaeology Culture and Tourism (PGDACT), PG Diploma in Tourism (PGDT), PG Diploma in Dr. B.R. Ambedkar, PG Diploma in Mahatma Gandhi, PG Diploma in Computer (PGDC) Certificate Courses of any discipline, For Students interested in History and Archaeology subject can do the job in the following areas: Historian, Archaeologist, Researcher, Tourist Guide, Journalist, Administrator, Justice, Lawyer, and Social worker.

Department of History and Archaeology:
Course Outcome:
I Semester

SI.NO.	Name of the Course	Course Outcome
1	The History and Culture of Karnataka (Early times to 1336 AD)	<p>CO.01: Students will be able to distinguish between primary and secondary sources.</p> <p>CO.02: Identify pre-historic sites, tools, monuments and sculptures of various dynasties.</p> <p>CO.03: Students will Learn a Basic Narrative of Historical events in a Specific Region of the Ancient Karnataka in a Specific time frame.</p> <p>CO.04: Students will get the knowledge of History events and life cycle.</p>

PO & PSO / COS	PO-1	PO-2	PO-3	PO-4	PO-5	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5	PSO-6
CO-1	3	2	3	2	3	3	3	2	2	3	3
CO-2	3	2	3	2	2	3	2	3	2	3	3
CO-3	2	2	2	3	2	3	2	3	3	3	2
CO-4	2	3	2	2	2	3	3	3	3	3	3

4 Semester

SL.NO	Name of the Course	Course Outcome
01	The History and Culture of Karnataka (1336 to 1956 AD)	<p>CO.01: Highlight the significance of the Vijayanagara and Bahamani sultans' literature and wars.</p> <p>CO.02: Acquires Knowledge on political process in the given period of history is displayed.</p> <p>CO.03: Acquire knowledge of the British rule in Karnataka.</p> <p>CO.04: Know the Unification of Karnataka.</p>

PO & PSO / COS	PO-1	PO-2	PO-3	PO-4	PO-5	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5	PSO-6
CO-1	3	3	3	3	3	3	2	3	3	3	3
CO-2	2	3	3	3	3	3	2	2	3	3	3
CO-3	2	3	3	2	3	3	2	2	3	3	3
CO-4	2	2	2	2	3	3	2	2	2	3	3

III Semester

SI.NO.	Name of the Course	Course Outcome
1	The History and Culture of Ancient India from Early times to Cholas	<p>CO.01: Identify pre-historic sites, tools, monuments and sculptures of various dynasties.</p> <p>CO.02: Learning about the history of the Indus valley civilization enables a person to understand the ancient origins and how relevant they are to current issues.</p> <p>CO.03: Understanding intriguing patterns of Indus valley civilization.</p> <p>CO.04: Make a comparative study of Harappan culture and Vedic culture.</p> <p>CO.05: Students will Learn a Basic Narrative of Historical events in a Specific Region of the Ancient India in a Specific time frame.</p>

PO & PSO / COS	PO-1	PO-2	PO-3	PO-4	PO-5	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5	PSO-6
CO-1	3	2	3	3	2	3	3	3	2	3	3
CO-2	3	3	3	3	3	3	2	3	3	3	3
CO-3	2	3	3	3	3	3	2	3	3	3	2
CO-4	3	3	3	3	2	3	3	3	3	3	3
CO-5	3	3	2	3	2	3	2	3	3	3	3

V Semester (Paper I)

Sl.NO	Name of the Course	Course Outcome
01	The History of Modern India, Part- I (From 1707 to 1905 AD)	<p>CO.01: Analyze the factors and wars which pave way for influence of British in petty states.</p> <p>CO.02: Know the details of various acts and regulations to control India and it changed as British India.</p> <p>CO.03: Interpret the effects and impacts of British rule in economic conditions and implements of technology for perfect administration.</p> <p>CO.04: Know the Historical background of Making of the Indian Constitution.</p>

PO & PSO / COS	PO-1	PO-2	PO-3	PO-4	PO-5	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5	PSO-6
CO-1	3	3	3	3	3	3	3	3	3	3	3
CO-2	2	3	3	3	3	3	2	3	3	3	3
CO-3	3	2	3	2	3	2	3	3	3	3	2
CO-4	3	3	3	3	3	4	3	4	3	3	2

V Semester (Paper II)

02	The History of Modern Europe , Part – I (1450 to 1914 AD)	<p>CO.01: Analyzing the reasons behind the fall of Eastern Roman Empire and the effects of the fall of Constantinople and to know new geographical discoveries made by various navigators through new explorations through sea routes.</p> <p>CO.02: Analyzing the various factors led to Commercial Revolution in Western Europe.</p> <p>CO.03: its impact on Western society and to know the Historical importance of Renaissance ,</p> <p>CO.04: Reformation movements and invention of new materials and its impact around Europe and to various countries.</p>
-----------	--	---

PO & PSO / COS	PO-1	PO-2	PO-3	PO-4	PO-5	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5	PSO-6
CO-1	3	3	3	3	3	3	2	3	3	3	3
CO-2	2	3	3	3	2	3	2	3	3	3	3
CO-3	2	3	3	3	3	3	4	3	3	3	2
CO-4	2	2	2	3	2	3	3	2	3	3	2

VI Semester (Paper I)

Sl.NO	Name of the Course	Course Outcome
01	The History of Modern India, Part- II (Indian National Movement and Post Independence India)	<p>CO.01: Examining the rise of National leaders and Nationalism.</p> <p>CO.02: Understanding and analyzing the role of moderates and extremist in during Indian National Movement.</p> <p>CO.03: Making of the Indian Constitution.</p> <p>CO.04: Understand about Principal Organs of the Indian Government.</p>

PO & PSO / COS	PO-1	PO-2	PO-3	PO-4	PO-5	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5	PSO-6
CO-1	3	3	2	3	2	3	3	3	3	2	2
CO-2	2	3	3	3	3	3	3	2	3	3	3
CO-3	3	2	3	2	3	3	3	2	3	3	3
CO-4	2	3	2	3	2	2	2	2	2	3	2

VI Semester (Paper II)

02	The History of Modern Europe , Part- II (1914 to 1990 AD)	<p>CO.01: Analyzing the various factors led to Commercial Revolution in Europe.</p> <p>CO.02: Analyzing the various wars including Ist world war, Russian Revolution, IInd World war, cold war.</p> <p>CO.03: Establish of League of Nations and UNO.</p> <p>CO.04: Analyzing the Disintegration of USSR.</p>
-----------	--	---

PO & PSO / COS	PO-1	PO-2	PO-3	PO-4	PO-5	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5	PSO-6
CO-1	3	3	3	3	3	3	3	3	2	3	2
CO-2	3	3	3	3	3	3	2	3	3	3	3
CO-3	2	2	2	2	2	2	3	3	2	3	2
CO-4	2	3	2	3	2	2	2	3	2	3	2

DEPARTMENT OF POLITICAL SCIENCE

COURSE OUTCOMES OF POLITICAL SCIENCE

PROGRAMME OUTCOMES OF POLITICAL SCIENCE

PO: 1 **Constitution and Judiciary system:** Students will get and demonstrate detailed knowledge about constitution. And functioning of judiciary system of several countries.

PO: 2 **Democracy:** Able to cope up with Contemporary Challenges and issues of Democracy and realize present world political system.

PO: 3 **Relationship between Politics and Society:** Students will come to know about Role and impact of Politics on Society and other fields.

PO: 4 **Political Thoughts:** Get information and knowledge about different political thoughts and find solutions to political problems.

PO: 5 **Administration and functioning:** Get knowledge about the Administration and functioning of local, state, central government.

PO: 6 **Governments forms of different Countries:** Student will know about different forms of governments operating in different countries.

PO: 7 **Social Evil:** Student will decode anti national activities like corruption, terrorism.

PROGRAMME SPECIFIC OUTCOME OF POLITICAL SCIENCE

PSO: 1 **Leader and Adviser:** Students can become a political adviser to politician like M.L.A, M.L.C and local Representatives and they themselves can become politician.

PSO: 2 **Higher Education and competitive exams:** Students can pursue higher education and are eligible face state central competitive exams for civil services.

PSO: 3 **services for Community:** Students are able deliver better service to rural community as PDO

B.A I Semester

INTRODUCTION TO POLITICAL THEORY

- Co: 1 Analyzing what is Political theory and its meaning and scope approaches to the Study of Political theory – Normative , Empirical and Historical
- Co: 2 Able to understand about the Meaning and Elements of the State and Theories of the Origin of the State.
- Co: 3 Students come to know the Meaning and perspectives of Sovereignty
- Co: 4 Able to understand the basic Political concepts like. Liberty, Equality, Rights, Law, Justice.
- Co: 5 Able to get the knowledge about the Political Ideologies like Socialism, Democracy and Challenges to the Democracy.

Attainment Mapping

pos, psos. C0s,	Po1	Po2	Po3	Po4	Po5	Po6	Po7	Pso1	Pso2	Pso3
C01	1	2	2	2	2	1	-	2	2	-
C02	-	1	-	2	-	-	-	2	2	-
C03	-	1	-	3	-	-	-	2	2	-
C04	2	1	1	3	2	1	-	2	2	-
C05	-	2	2	2	2	2	-	2	2	-

B.A II SEMESTER

Political Thought

- Co:1 Get the Knowledge of Plato's Theories of Justice, Education, Philosopher King, Communism, Ideal State.
- Co: 2 Get knowledge of Aristotle and Machiavelli Political Thoughts
- Co: 3 . Understand about J S Mill's views on Liberty and Karl- Marx Theory of Communism
- Co: 4 Able to understand about Kautilya's Arthashastra Theory and Basaveshwara's Humanism and Castles Society.

- Co: 5 Examining the Dr. B R Ambedkar Social Justice and Castles Society and Rammanohar Lohia's Socialism, Democracy and M K Gandhi Truth, Non Violence and Satyagraha.

Attainment Mapping

POS.PSOS COS	Po1	Po2	Po3	Po4	Po5	Po6	Po7	Pso1	Pso2	Pso3
C01	1	2	1	2	-	-	3	2	2	-
C02	3	1	1	3	1	3	1	2	2	-
C03	-	-	3	3	-	2	2	2	2	-
C04	-	1	2	3	2	-	1	2	2	-
C05	-	1	2	3	-	1	2	2	3	1

B.A III SEMESTER

Indian Government and Politics

- Co: 1 Students learn and gain knowledge about Indian constitution.
- Co: 2 They are able to understand trends salient features of Indian constitution.
- Co: 3 Students come to know about Rights and Duties.
- Co: 4 Students get knowledge about structure of Union and state government.
- Co:5 To Understand Party system and National Election Commission.

Attainment Mapping

POS, PSOS. COS	Po1	Po2	Po3	Po4	Po5	Po6	Po7	Pso1	Pso2	Pso3
C01	3	2	-	-	2	1	1	2	3	3
C02	2	1	-	-	1	1	1	2	3	2
C03	2	1	3	-	1	1	1	2	2	2
C04	3	1	1	1	3	3	2	3	3	2
C05	2	2	3	-	3	3	1	3	2	2

B.A IV SEMESTER

Karnataka Government And Politics

- Co: 1 Make the students to understand the Unification Movement in Karnataka and Geo- Politics of Karnataka
- Co: 2 Students come to know about the State Government Executive, Legislature, Judiciary System and Karnataka Lokayukta.
- Co: 3 Students will get knowledge about Party system of Karnataka.
- Co:4 To understand the Local Self Government In Karnataka Panchayats and Urban Governments.
- Co:5 To critically analyze Border disputes and Water Disputes of Karnataka.

Attainment Mapping

POS, PSOS.	Po1	Po2	Po3	Po4	Po5	Po6	Po7	Pso1	Pso2	Pso3
C0S										
C01	-	-	2	-	1	1	2	3	2	1
C02	2	-	2	-	2	2	1	2	2	1
C03	1	1	2	-	1	1	1	3	2	-
C04	1	1	2	-	1	2	1	3	2	1
C05	-	1	3	-	1	-	2	3	2	1

B.A V SEMESTER

Public Administration - I

- Co: 1 Know the evolution meaning, and significance of public administration.
- Co: 2 To understand Principles of Organizations.
- Co: 3 To Know about Personal Administration – Recruitment, Training, Promotion and Retirement.
- Co:4 To identify Financial administration.
- Co:5 To Understand the Contemporary Issues in Public Administration.

Attainment Mapping

POS, PSOS. COS,	Po1	Po2	Po3	Po4	Po5	Po6	Po7	Pso1	Pso2	Pso3
C01	1	2	2	-	3	2	2	2	2	2
C02	2	1	2	1	1	1	2	2	2	1
C03	1	2	1	-	3	-	2	2	2	1
C04	1	-	2	3	3	-	2	2	2	1
C05	2	2	1	-	2	-	1	2	2	1

B.A V SEMESTER

Modern Governments (UK and Switzerland) - II

- Co: 1 Students will get Knowledge about Constitution of U K and role of the conventions in UK Political system.
- Co: 2 Students will come to know about Organisation of Government of U. K.
- Co: 3 Students gain information about Constitutional Development of Switzerland.
- Co: 4 Students will be understand Organisation of Switzerland Government..
- Co: 5 To understand Direct Democratic devices- Referendum and Initiative.

Attainment Mapping

POS, PSOS. COS	Po1	Po2	Po3	Po4	Po5	Po6	Po7	Pso1	Pso2	Pso3
C01	3	-	-	1	1	3	2	2	2	-
C02	2	2	1	-	2	2	2	2	2	-
C03	3	3	2	-	2	3	-	2	2	-
C04	2	2	2	-	3	2	-	2	2	-
C05	2	3	2	-	1	2	-	2	2	-

B.A VI SEMESTER

International Relations - I

- Co: 1 Make the students to understand the Nature Scope and importance of International Relations.
- Co: 2 Students come to know about the Elements of the National Power.
- Co: 3 Students will get knowledge about Instruments of National Interest Like War, Diplomacy.
- Co:4 To understand the About United Nation Organizations Like- UNO,IMF,IBRD,UNESCO.
- Co:5 To critically analyze Approaches To International Peace.

Attainment Mapping

POS, PSOS.	Po1	Po2	Po3	Po4	Po5	Po6	Po7	Pso1	Pso2	Pso3
C0S,										
C01	-	1	-	1	-	1	1	2	2	-
C02	1	1	1	-	2	-	1	2	2	1
C03	1	1	1	1	1	-	2	2	1	1
C04	1	2	1	1	2	1	2	3	1	-
C05	-	2	-	-	1	2	2	2	1	-

B.A VI SEMESTER

Political Process and Institutions in India

- Co: 1 Students are able to understand about Working of Parliamentary Democracy in India.
- Co: 2 Students will get knowledge on Working Unitary Features of Indian Federal System and Arbitrary use of Article 356.
- Co: 3 Students will know about Party System in India
- Co: 4 students get the knowledge about Election Commission and Elections, Electoral Reforms in India.
- Co:5 Students get the insights of Coalition Politics in India.

Attainment Mapping

POS, PSOS. C0S	Po1	Po2	Po3	Po4	Po5	Po6	Po7	Pso1	Pso2	Pso3
C01	2	3	2	2	2	2	1	2	1	1
C02	2	2	-	1	2	2	2	2	1	1
C03	2	2	3	2	-	-	1	2	1	1
C04	1	2	2	-	1	-	1	2	1	1
C05	2	2	1	2	1	1	2	1	1	-

B.A III SEMESTER

STUDY OF INDIAN SOCIAL THOUGHT

- Co: 1 Students will Find out evolution, development and relevance of Social thought
- Co: 2 Students will understand the works of Manu on Dharma, Varnashrama, marriage and family.
- Co: 3 Students will know the thoughts of Basaveshwar and Gandhiji on Concept of Kayaka, Social Equality status of Women, Truth-Non Violence, Satygaraha and Sarvodaya
- Co: 4 Students will know the struggle and contribution of Jyotibha Pule for Upliftment of Weaker Section
- Co: 5 Students will know Dr. B. R. Ambedkar Views on Untouchability and its Eradication
- Co: 6 Students come to know the theoretical works of Dr. M. N. Shrinivas on Dominant Caste, Sanskritisation and Westernization.

ATTAINMENT

	PO 1	PO 2	PO 3	PO 4	PO 5	PSO 1	PSO 2	PSO 3
Co1	1	1	3	3	3	1	2	2
Co2	1	1	1	1	1	1	1	2
Co3	1	-	1	1	1	1	2	1
Co4	1	1	2	2	1	3	2	1
Co5	2	2	2	2	2	2	2	2
Co 6	2	1	2	1	1	2	1	1

B.A IV SEMESTER

STUDY OF WESTERN SOCIOLOGICAL THOUGHT

- Co: 1 Students will know the basics theories of western sociological thought
- Co: 2 Students come to know the theories of social evolution, power and authority, methodology of social sciences and theory of suicide
- Co: 3 Students will get knowledge about Karl Marx-class struggle, Coser's- Conflict and social change

ATTAINMENT

	PO 1	PO 2	PO 3	PO 4	PO 5	PSO 1	PSO 2	PSO 3
Co1	3	3	2	3	2	2	2	1
Co2	1	1	1	1	1	2	2	2
Co3	3	3	2	3	2	3	2	3

B.A V SEMESTER

STUDY OF INDIAN SOCIETY

- Co: 1 Students will know the Structure of India Society in the philosophical background of Varnasharama, Purusharthas and Samskaras
- Co: 2 Students will know factors which are contributing to Continuity and Change of Philosophical Base of Indian Society.
- Co: 3 Students gain knowledge about marriages divorce and recent changes in marriage
- Co: 4 Students come to know about meaning, features, types and changing aspects of Indian family
- Co: 5 Students will understand the caste system and tribal community in India

ATTAINMENT

	PO 1	PO 2	PO 3	PO 4	PO 5	PSO 1	PSO 2	PSO 3
Co1	2	2	2	2	2	3	2	1
Co2	2	1	2	1	1	2	1	2
Co3	1	1	3	3	1	2	2	1
Co4	1	1	2	2	1	2	1	2
Co5	2	2	1	2	2	2	1	2

B.A V SEMESTER

RURAL DEVELOPMENT IN INDIA

- Co: 1 Students will be known awareness about importance of rural development and obstacle of it
- Co: 2 Students will get knowledge and information about land tenure system, land reforms and green revolution
- Co: 3 Students will gain information of Panchayat raj and structural aspects of Panchayat raj
- Co: 4 Students will be familiarized to rural development and community development programmes
- Co: 5 Students will know Role of Govt. agencies and NGO in rural development with reference to drinking water and sanitation

ATTAINMENT

	PO 1	PO 2	PO 3	PO 4	PO 5	PSO 1	PSO 2	PSO 3
Co1	1	1	--	2	1	2	1	1
Co2	1	--	1	2	1	2	1	2
Co3	1	--	1	--	1	3	2	2
Co4	1	2	1	3	2	3	3	2
Co5	1	1	1	1	2	2	2	3

B.A VI SEMESTER

INDIAN SOCIAL PROBLEMS

- Co: 1 Students are able to understand causes and effects of social problems and social disorganization
- Co: 2 Students will get knowledge on nature, type of corruption, crimes, causes, consequences and controlling measures of crime
- Co: 3 Students will be able to understand social evils like prostitution, HIV and AIDS and also come to know about causes, effects and measures to control HIV AIDS
- Co: 4 Students get the insights of causes and effects of terrorism and measures to control it and national integration

ATTAINMENT

	PO 1	PO 2	PO 3	PO 4	PO 5	PSO 1	PSO 2	PSO 3
Co1	2	2	1	1	1	2	1	1
Co2	1	1	1	1	1	2	2	1
Co3	1	1	1	2	3	2	2	2
Co4	1	1	1	1	2	2	2	3

B.A VI SEMESTER
URBAN SOCIETY IN INDIA

- Co: 1 Students learn and gain knowledge about urban society and communities and also about city life style
- Co: 2 They are able to understand trends and factors of urbanization and over urbanization
- Co: 3 Students come to know about the growth of metro Politian and mega cities
- Co: 4 Students get knowledge about urban problems in India like slums, poverty, housing, and environmental pollution
- Co: 5 Students gain knowledge about urban planning urban development programmes and role of government

ATTAINMENT

	PO 1	PO 2	PO 3	PO 4	PO 5	PSO 1	PSO 2	PSO 3
Co1	2	1	1	1	1	2	2	2
Co2	1	2	2	2	2	2	2	2
Co3	2	2	1	2	--	2	2	2
Co4	1	1	2	2	3	2	2	2
Co5	2	1	2	2	2	2	2	3

PROGRAMME OUTCOME OF SOCIOLOGY

PO 1: Students get basic knowledge about sociology, concepts of sociology its origin, dynamics, social interaction & process and also about social research & methods of research

PO 2: students gain sufficient inputs on community, social institutions, culture and civilisation, types of social control, social change & social development

PO 3: students come to know about Indian social thought as well as western social thought of different ages & can discuss on social equality, untouchability, women empowerment, class struggle Dharma & many more

PO 4: students gain knowledge of Indian society, marriages, family system, caste system & tribal community and also come to know about land tenure, Panchayat Raj, Rural development etc.

PO 5: Students can observe & compare social problems of India such as prostitution / HIV/ Terrorism/ Corruption & also come to about urbanization, metropolitan cities Urban problems & urban development.

PROGRAMME SPECIFIC OUTCOME OF SOCIOLOGY

PSO 1: Students can pursue higher education in M.A sociology & can become & appear for different competitive exams

PSO 2: They may work PDO,PRO, Labour welfare officer, Health and media consultant in private industry as well as in government sectors

PSO 3: They may join some NGO's which are involved in rural development & urban development.

BLDEA'S
Commerce B.H.S Arts & T.G.P Science College, Jamkhandi

Department of Physics & Electronics
B.Sc. Physics

After successful completion of three year degree program in Physics a student should be able to;

Programme Outcomes:

- **PO-1:** Demonstrate, solve and an understanding of major concepts in all disciplines of Physics.
- **PO-2:** Create an awareness of the impact of Physics on the society, and development outside the scientific community.
- **PO-3:** Discovery of physics concept to other disciplines like chemistry, computer science and Engineering, Medical Science, Life Science, space

Programme Specific Outcomes:

- ✓ **PSO-1: Acquiring the fundamental knowledge:** Gain the knowledge of Physics through theory and practical's.
- ✓ **PSO-2: Development of laboratory skills:** Understand good laboratory practices, safety & make aware and handle the sophisticated instruments/equipments.
- ✓ **PSO-3: Instils Research culture:** Develop research oriented skills.
- ✓ **PSO-4: Enhancement of skills:** Designing circuits, block diagram, nature of graph, comparing theory with experimental results
- ✓ **PSO-5:** Students will learn the applications of numerical techniques for modelling physical systems for which analytical methods are inappropriate or of limited utility.
- ✓ **PSO-6:** Demonstrate a thorough conceptual understanding in the core areas of physics (classical mechanics, electrodynamics, statistical mechanics and quantum mechanics) and the supporting mathematics, including the range of validity of key concepts (e.g. conservation laws).

Course Outcomes B. Sc Physics

✓ **B.Sc I Sem : Mechanics & Properties of Matter**

CO-1: Understand the properties of matter such as elasticity, surface tension, viscosity etc.

CO-2: Understand the fundamentals and applications of sound and ultrasonic

CO-3: Understand the concept of satellite

CO-4: Gain the knowledge of Moment of inertia & its significance

CO-5: Determination of Elastic constants

CO-6: Solving Numerical Problems

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PO1	PO2	PO3
CO1	3	-	1	-	-	2	3	1	2
CO2	3	2	1	1	-	2	3	2	1
CO3	3	2	2	2	2	2	2	1	2
CO4	3	-	1	-	-	2	2	1	1
CO5	3	-	-	1	2	1	-	-	1
CO6	3	-	1	2	3	1	1	1	1

✓ **B.Sc II Sem: Sound & Thermal physics**

CO-1: To study kinetic theory of Gases

CO-2: To study Maxwell Relations and Application.

CO-3: Understand the differences between Otto engine & Diesel engine

CO-4: Understand the concepts of Sound

CO-5: Gain the knowledge of Energy distribution in the black body spectrum

CO-6: Understand the concept of Radiation

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PO1	PO2	PO3
CO1	3	-	1	-	-	1	2	-	-
CO2	3	-	1	-	1	1	1	-	-
CO3	3	3	2	3	1	1	2	1	1
CO4	3	1	1	1	1	1	1	-	1
CO5	3	-	1	1	-	1	1	-	-
CO6	3	-	1	-	-	1	1	-	-

BLDEA'S
Commerce B.H.S Arts & T.G.P Science College, Jamkhandi

✓ **B.Sc III Sem: Geometrical optics & Electricity-I**

CO-1: Understand the concepts of geometrical optics & cardinal points

CO-2: To study the Dynamics of charged particles

CO-3: Gain the knowledge of Dielectrics

CO-4: Understand the concepts of RL & RC circuits

CO-5: Gain the knowledge of Ballistic galvanometer, CRO

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PO1	PO2	PO3
CO1	3	1	1	1	1	1	1	-	-
CO2	3	-	1	1	-	2	1	-	-
CO3	3	-	1	1	1	1	1	-	1
CO4	3	3	2	1	1	2	1	-	-
CO5	3	3	1	2	2	2	1	-	1

✓ **B.Sc IV Sem: Physical optics & Electricity-II**

CO-1: Understand the concepts of Interference & diffraction

CO-2: To study the Fresnel's theory of rotatory polarization

CO-3: Gain the knowledge of Alternating current

CO-4: Understand the concepts of seeback effect & Peltier effect

CO-5: Understand the concepts of divergence & curl of vector

CO-6: Solving Numerical Problems

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PO1	PO2	PO3
CO1	3	-	1	2	-	2	1	1	1
CO2	3	1	1	1	1	2	1	-	-
CO3	3	3	1	3	1	2	1	-	-
CO4	3	-	1	-	1	2	1	-	-
CO5	3	-	2	1	1	2	1	-	-
CO6	3	2	2	2	2	2	1	-	-

BLDEA'S
Commerce B.H.S Arts & T.G.P Science College, Jamkhandi

✓ **B.Sc V Sem:**

Paper: 1 Classical mechanics, Electronics & Relativity

CO-1: Understand Newton's Laws of motion and their applications such as projectile and rocket motion

CO-2: Gain the knowledge of motion in central force field

CO-3: Understand the concept of Lagrangian and Hamiltonian formulation

CO-4: Understand the concept of Special theory of Relativity

CO-5: Gain the knowledge of Network theorems

CO-6: To study the Transistor Amplifier

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PO1	PO2	PO3
CO1	3	3	3	3	2	3	2	2	1
CO2	3	-	2	1	2	1	1	-	-
CO3	3	-	2	1	-	3	1	-	-
CO4	3	3	3	3	2	3	1	-	-
CO5	3	3	3	3	3	3	1	-	-
CO6	3	3	2	3	2	2	1	-	-

Paper: 2 Quantum mechanics & Spectroscopy

CO-1: Understand De-Broglie hypothesis and Uncertainty principle

CO-2: Derive Schrodinger's time dependent and independent equations

CO-3: Solve the problems using Schrödinger's steady state equation

CO-4: Gain the knowledge of Raman Effect

CO-5: Solve the Legendre & Bessel functions

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PO1	PO2	PO3
CO1	3	-	3	2	2	3	1	1	1
CO2	3	-	3	1	1	3	1	-	-
CO3	3	-	2	2	2	3	1	1	-
CO4	3	3	3	3	3	3	1	-	-
CO5	3	2	3	2	2	2	1	-	-

BLDEA'S
Commerce B.H.S Arts & T.G.P Science College, Jamkhandi

✓ **B.Sc VI Sem:**

Paper: 1 Solid state Physics, Nuclear Physics, energy sources & Digital Electronics

CO-1: To understand the principles and techniques of X-rays diffraction

CO-2: Know the fundamental principles of semiconductors and be able to estimate the charge carrier mobility and density

CO-3: To give an extended knowledge about magnetic properties like diamagnetic, paramagnetic, ferromagnetic, ferrites and superconductors

CO-4: Know the properties of nucleus likes binding energy, magnetic dipole moment and electric quadruple moment

CO-5: Gain the knowledge of Energy sources

CO-6: Able to solve number system

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PO1	PO2	PO3
CO1	3	3	3	3	2	3	1	-	-
CO2	3	3	2	2	1	2	1	-	-
CO3	3	3	3	2	2	2	1	-	-
CO4	3	3	3	3	2	3	1	-	-
CO5	3	3	3	3	2	3	1	-	-
CO6	3	-	2	1	2	2	1	-	1

Paper:2 Integral Transforms, optoelectronics, Communication & Integrated Electronics

CO-1: Know the Cartesian, spherical polar and cylindrical co-ordinate systems.

CO-2: Study the Generating function for Legendre, Hermite polynomials.

CO-3: Gain the knowledge of LED, Photo Diodes

CO-4: Gain the knowledge of Modulation & Demodulation

CO-5: Able to use the Integrated Circuits & Op-Amps

CO-6: Study of user defined functions and program structures.

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PO1	PO2	PO3
CO1	3	-	2	-	2	2	1	-	-
CO2	3	-	2	1	-	2	1	-	-
CO3	3	3	3	3	2	3	1	-	1
CO4	3	3	3	3	2	3	1	-	-
CO5	3	3	3	3	2	3	1	-	-
CO6	3	-	1	-	1	1	1	-	-

BLDEA'S
Commerce B.H.S Arts & T.G.P Science College, Jamkhandi

Department of Physics & Electronics
B.Sc. Electronics

After successful completion of three year degree program in Electronics a student should be able to;

Programme Outcomes:

- **PO-1:** Demonstrate, solve and an understanding of major concepts in all disciplines of Electronics.
- **PO-2:** Create an awareness of the impact of Electronics on the society, and development outside the scientific community.
- **PO-3:** Design electronic circuits & systems, conducts experiment, analyze & interpret the data

Programme Specific Outcomes:

- ✓ **PSO-1: Acquiring the fundamental knowledge:** Gain the knowledge of Electronics through theory and practical's.
- ✓ **PSO-2: Development of laboratory skills:** Understand good laboratory practices, safety & make aware and handle the sophisticated instruments/equipments.
- ✓ **PSO-3: Instils Research culture:** Develop research oriented skills.
- ✓ **PSO-4: Enhancement of skills:** Designing circuits, block diagram, nature of graph, comparing theory with experimental results.
- ✓ **PSO5: Professional Skills:** An ability to understand the basic concepts in and to apply them to various areas, like Electronics, Communications, Signal processing, VLSI, Embedded systems etc., in the design and implementation of complex systems.
- ✓ **PSO6: Successful Career and Entrepreneurship:** An understanding of social-awareness & environmental-wisdom along with ethical responsibility to have a successful career and to sustain passion and zeal for real-world applications using optimal resources as an Entrepreneur.

Course Outcomes B. Sc Electronics

✓ **B.Sc I Sem : Basics of circuit analysis & instruments**

CO-1: Understand the Basic circuit elements like Resistor, Inductor & Capacitor.

CO-2: Gain the knowledge of Network theorems.

CO-3: Understand the concepts of Filters.

CO-4: Ability to apply knowledge of Galvanometer & Multirange voltmeter

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PO1	PO2	PO3
CO1	3	3	3	3	3	3	1	-	1
CO2	3	3	2	3	2	2	1	-	1
CO3	3	3	2	3	2	1	1	-	1
CO4	3	3	2	3	2	2	1	-	-

✓ **B.Sc II Sem: Circuits & Devices**

CO-1: Gain the knowledge of Diodes, Rectifiers

CO-2: To study regulated power supply.

CO-3: Understand the concepts of Active devices

CO-4: Ability to apply knowledge of Amplifiers

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PO1	PO2	PO3
CO1	3	3	2	3	2	1	1	-	-
CO2	3	3	2	3	2	1	1	-	1
CO3	3	3	2	3	2	1	1	-	-
CO4	3	3	2	3	2	1	1	-	-

BLDEA'S
Commerce B.H.S Arts & T.G.P Science College, Jamkhandi

✓ **B.Sc III Sem: Oscillators, Op-Amp & Networks**

CO-1: Understand the concepts of Oscillators

CO-2: Gain the knowledge of Op-Amp

CO-3: To study the applications of Op-Amp

CO-4: Understand the concepts of Network synthesis

CO-5: Able to solve Laplace Transformation

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PO1	PO2	PO3
CO1	3	3	2	3	2	1	1	-	-
CO2	3	3	3	3	2	2	1	-	-
CO3	3	1	2	1	1	1	-	-	-
CO4	3	1	1	2	1	1	1	-	-
CO5	3	-	1	-	-	-	1	1	-

✓ **B.Sc IV Sem: Digital Electronics**

CO-1: Able to solve Number system

CO-2: Ability to apply knowledge of Logic gates

CO-3: Gain the knowledge of Karnaugh map

CO-4: Understand the concepts of Encoders & decoders

CO-5: Understand the concept flip flops

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PO1	PO2	PO3
CO1	3	2	1	2	1	1	1	-	1
CO2	3	3	2	3	2	1	1	-	-
CO3	3	2	2	1	1	1	1	-	-
CO4	3	3	1	1	1	1	1	-	1
CO5	3	3	3	2	2	1	1	-	-

BLDEA'S
Commerce B.H.S Arts & T.G.P Science College, Jamkhandi

✓ **B.Sc V Sem:**

Paper: 1 Communication, signals and systems & Transducers

CO-1: Understand the concept of modulation

CO-2: Gain the knowledge of Transmitters & Receivers

CO-3: Understand the concepts of Transmission lines & antenna

CO-4: Gain the knowledge of Optical fiber communication

CO-5: Ability to apply knowledge of Transducers

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PO1	PO2	PO3
CO1	3	3	2	2	1	1	1	-	-
CO2	3	3	2	2	1	1	1	-	-
CO3	3	3	2	2	1	1	1	1	-
CO4	3	3	3	3	3	3	1	1	-
CO5	3	3	3	3	2	2	1	-	1

Paper: 2 Microprocessor & Microcontroller

CO-1: Gain the knowledge of Microprocessor architecture & Instructions

CO-2: Understand the concept of Stack operations & programming

CO-3: Ability to apply knowledge of Microcontroller 8051

CO-4: Gain the knowledge of Basic of VLSI

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PO1	PO2	PO3
CO1	3	2	1	2	1	1	1	1	-
CO2	3	2	1	1	2	-	1	-	-
CO3	3	2	2	2	2	1	1	-	-
CO4	3	3	2	2	3	1	1	-	-

BLDEA'S
Commerce B.H.S Arts & T.G.P Science College, Jamkhandi

✓ **B.Sc VI Sem:**

Paper: 1 Digital communication, satellite communication & television

CO-1: To understand the Pulse & digital communication

CO-2: Gain the knowledge of satellite communication

CO-3: Ability to apply knowledge of Television receiver circuit

CO-4: Gain the knowledge of colour television

CO-5: Ability to apply knowledge of power electronics

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PO1	PO2	PO3
CO1	3	2	2	2	1	1	1	-	-
CO2	3	3	3	3	2	2	1	-	-
CO3	3	3	3	3	2	2	1	-	1
CO4	3	3	3	3	2	2	1	-	-
CO5	3	3	3	3	2	2	1	-	-

Paper: 2 Computer concepts & C-Programming

CO-1: Gain the knowledge of computer concepts

CO-2: Understand the concept of C- Programming

CO-3: Gain the knowledge of Decision making & branching

CO-4: Understand the concept of array & String handling programs

CO-5: Ability to apply knowledge of Functions & Pointers

	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PO1	PO2	PO3
CO1	3	2	1	3	2	2	1	-	-
CO2	3	-	1	1	2	-	1	-	-
CO3	3	-	2	-	2	1	1	-	1
CO4	3	1	1	2	1	1	1	-	-
CO5	3	1	1	2	1	1	1	1	-

Program Outcomes: B.Sc. Chemistry

Department of chemistry	After successful completion of three year degree program in chemistry a student should be able to;
Program outcomes	PO-1. Gaining basic knowledge in chemistry. PO-2. Employ critical thinking & the scientific Knowledge to design, carry out, record & analyse the results of chemical reactions. PO-3. Ability to develop, to match present environment. PO-4. Use modern techniques, decent equipments & chemistry softwares.

Program Specific Outcomes

Program specific outcomes	PSO-1. Gain the knowledge of Chemistry through theory & practical's. PSO-2. To explain nomenclature, stereochemistry, structures, reactivity & mechanism of chemical reaction. PSO-3. Able to understand various laws & theories and solve numerical problems. PSO-4. use modern chemical tools, Chem-draw & charts. Understand good laboratory practices & safety. PSO-5. Able to explain structure reactivity, To explain reaction mechanism for organic reactions, to know about methodology of various spectroscopic & Chromatographic techniques.
----------------------------------	---

Course outcomes of B.Sc I sem Chemistry

Course	Outcomes After completion of these courses students should be able to;
Inorganic chemistry	CO-1. Learn about atomic structure & Periodic trends. CO-2. Know about chemical bonding & theories. CO-3. Learn about methods of analysis. CO-4. Gain knowledge about principles of volumetric analysis
Organic chemistry	CO-1. Learn about purification of organic compounds. CO-2. Know about Stereochemistry of organic molecules. CO-3. Learn about Spectroscopy.
Physical chemistry	CO-1. Learn about Gaseous state. CO-2. Know about Solutions CO-3. Gain knowledge about Salt Hydrolysis CO-4. Learn about Nernst Distribution Law.
Practical	CO-1. Students get knowledge about calibrated glass wares. CO-2. Learn about preparation of standard solutions. CO-3. Carry volumetric estimations by different titrations methods. CO-4. Carry simple gravimetric experiments.

Attainment

Inorganic	PO 1	PO 2	PO3	PO4	PSO1	PSO 2	PSO 3	PSO 4	PSO 5
CO1	3	3	-	-	3	1	3	3	2
CO2	3	-	2	-	3	3	3	-	3
CO3	2	2	2	2	3	-	-	-	-
CO4	3	2	2	1	3	-	2	-	2
Organic									
CO1	3	2	-	2	3	-	-	2	1
CO2	2	-	-	-	2	3	2	-	-
CO3	1	-	-	2	2	-	2	2	3
Physical									
CO1	2	-	1	-	1	2	2	-	-
CO2	2	1	-	-	2	-	2	1	-
CO3	1	1	-	-	1	-	2	-	-
CO4	1	1	-	-	1	-	2	-	-
Practical									
CO1	1	-	2	-	2	-	-	1	-
CO2	1	1	-	-	2	-	1	1	-
CO3	2	2	-	-	2	-	1	1	-
CO4	2	1	-	-	1	-	-	1	-

Course outcomes of B.Sc II Sem Chemistry

Inorganic chemistry	CO-1. Learn about chemical Bonding-II CO-2. Know about Organic Reagents in Inorganic Analysis
Organic Chemistry	CO-1. Learn about Alkenes, Dienes and Alkynes. CO-2. Able to Understand about Reaction Mechanism CO-3. Learn about Poly nuclear Hydrocarbons. CO-4. Learn about Conversion Reactions.
Physical chemistry	CO-1. Know about first law of thermodynamics. CO-2. Learn about Thermochemistry & calculations. CO-3. Know about Physical properties of liquids. CO-4. Acquire knowledge about Liquid crystals. CO-5. Understand Colloids & its applications. CO-6. Able to understand Solids & their structures.
Practical	CO-1. Identification of organic compounds & preparation of their derivatives. CO-2. Identification of organic compounds by element determination, solubility & melting point.

Attainment

Inorganic	PO 1	PO 2	PO3	PO4	PSO1	PSO 2	PSO 3	PSO 4	PSO 5
CO1	3	1	-	-	3	2	2	-	-
CO2	2	2	-	-	2	1	1	-	-
Organic									
CO1	3	2	-	-	2	2	2	-	1
CO2	3	2	-	-	2	2	2	-	2
CO3	2	2	-	-	2	2	2	-	3
CO4	3	2	-	-	2	2	-	-	2
Physical									
CO1	3	2	1	-	2	-	3	-	-
CO2	3	2	1	-	2	-	3	-	-
CO3	2	1	1	1	3	-	2	2	-
CO4	2	1	1	-	2	1	-	-	-
CO5	2	1	-	-	1	-	-	-	-
CO6	2	-	-	-	1	2	1	-	-
Practical									
CO1	2	1	-	-	2	-	-	2	-
CO2	2	1	-	-	1	-	-	2	-

Course outcomes for B.Sc III sem

Inorganic Chemistry	<p>CO-1. Learn about Metallurgy & Extraction of metals.</p> <p>CO-2. Know about Solvents, types & properties.</p> <p>CO-3. Understand the concept of Acids & Bases.</p>
Organic Chemistry	<p>CO-1. Know about Orientation of Organic molecules.</p> <p>CO-2. Learn about Alcohols, types & Synthesis.</p> <p>CO-3. Acquire knowledge about phenols & properties.</p> <p>CO-4. Know about Organometallic Compound.</p> <p>CO-5. Learn about Infrared spectroscopy.</p>
Physical Chemistry	<p>CO-1. Know about Colligative properties.</p> <p>CO-2. Learn about Second law of thermodynamics.</p>
Practical	<p>CO-1. Learn about first & second order reactions by carrying out experiments.</p> <p>CO-2. Learn about viscosity & surface tension by using different organic liquids.</p> <p>CO-3. Learn about adsorption of acetic acid on animal charcoal</p> <p>CO-4. Learn about distribution of iodine or benzoic acid between water and benzene.</p> <p>CO-5. Learn about equilibrium constant of distribution of iodine between KI and CCl₄</p> <p>CO-6. Determine the molecular weight of urea & degree of dissociation of KCl by Landbergers method.</p>

Attainment

Inorganic	PO 1	PO 2	PO3	PO4	PSO1	PSO 2	PSO 3	PSO 4	PSO 5
CO1	2	2	1	-	2	1	-	-	-
CO2	2	1	1	-	2	1	1	-	-
CO3	2	1	-	-	1	1	2	-	-
Organic									
CO1	2	1	-	-	1	2	1	-	1
CO2	2	1	-	-	1	2	-	-	2
CO3	2	1	-	-	1	3	-	-	2
CO4	2	-	-	-	1	2	-	-	2
CO5	1	-	1	2	1	-	-	2	2
Physical									
CO1	3	2	-	1	2	-	3	-	-
CO2	2	1	1	2	2	-	3	-	-
Practical									
CO1	1	1	-	-	2	-	1	2	-
CO2	2	1	-	1	2	-	-	2	-
CO3	1	1	-	-	2	-	-	2	-
CO4	1	1	-	-	2	-	-	2	-
CO5	1	1	-	-	2	-	-	2	-
CO6	1	1	-	1	2	-	-	2	-

Course outcomes of B.Sc IV Sem Chemistry

Inorganic Chemistry	<p>CO-1. Learn about Chemistry of d & f block elements. CO-2. Understand concepts of Bioinorganic chemistry. CO-3. Know about Environmental Chemistry</p> <p>CO-4. Learn about Water pollution & Parameters.</p>
Organic Chemistry	<p>CO-1. Learn about Aldehydes & Ketones.</p> <p>CO-2. Know about carboxylic acids & properties.</p> <p>CO-3. Able to understand Aromatic amines.</p> <p>CO-4. Learn about Ethers & Epoxides.</p>
Physical Chemistry	<p>CO-1. Learn about electrochemistry & Theories.</p> <p>CO-2. Know the concepts of chemical kinetics.</p> <p>CO-3. Learn about simple collision theory Of reaction rates.</p>
Practical	<p>CO-1. Semi micro qualitative analysis of two simple inorganic salts.</p> <p>CO-2. Determination of dissolved oxygen present in water by winkler's method.</p> <p>CO-3. Determination of COD in polluted water.</p>

Attainment

Inorganic	PO 1	PO 2	PO3	PO4	PSO1	PSO 2	PSO 3	PSO 4	PSO 5
CO1	2	1	-	-	1	1	-	-	-
CO2	2	1	1	-	1	-	-	1	1
CO3	3	1	2	1	2	-	2	1	1
CO4	2	1	1	1	2	-	2	1	1
Organic									
CO1	2	1	-	-	1	3	-	-	2
CO2	2	1	-	-	1	3	-	-	2
CO3	2	1	-	-	1	3	-	-	2
CO4	2	1	-	-	1	3	-	-	2
Physical									
CO1	2	2	-	-	2	-	3	1	-
CO2	2	1	-	-	2	1	3	1	-
CO3	2	1	-	-	2	1	3	1	-
Practical									
CO1	2	2	-	-	1	-	-	2	-
CO2	1	1	-	-	1	-	-	2	-
CO3	2	1	-	-	1	-	-	2	-

Course Outcomes of B.Sc V Sem Chemistry P-I

Inorganic Chemistry	CO-1. Students know about Co-ordination Chemistry-I. CO-2. Learn about Theory of gravimetric analysis. CO-3. Know about Inorganic polymers & applications. CO-4. Gain knowledge about need of Green Chemistry.
Organic Chemistry	CO-1. Students learn about Heterocyclic compounds. CO-2. Know about Organic synthesis via enolates. CO-3. Learn about Alkaloids & their Isolation.
Physical Chemistry	CO-1. Students know about Microwave spectroscopy CO-2. Learn about Phase rule & Their applications. CO-3. Acquire knowledge about Vibrational Spectrum
Practical	CO-1. Preparation of Organic compounds. CO-2. Estimation of Fe^{+3} spectrophotometrically through phenanthroline complex. CO-3. Determination of pH of biological fluids like milk, orange juice, citric acid, solution and sodium carbonate solution.

Attainment

Inorganic	PO 1	PO 2	PO3	PO4	PSO1	PSO 2	PSO 3	PSO 4	PSO 5
CO1	3	1	-	-	2	3	3	-	2
CO2	2	1	-	1	2	1	-	1	-
CO3	2	1	-	1	2	1	-	1	1
CO4	3	1	2	1	2	-	2	1	-
Organic									
CO1	2	-	-	-	2	2	-	-	2
CO2	2	1	-	-	1	2	-	1	2
CO3	2	1	-	-	2	2	-	1	2
Physical									
CO1	1	1	-	2	1	-	1	1	2
CO2	1	1	-	-	1	1	2	-	2
CO3	2	1	-	1	1	1	2	1	2
Practical									
CO1	1	1	-	-	2	2	-	-	2
CO2	1	1	-	1	2	-	1	2	2
CO3	2	1	1	-	2	1	-	2	2

Course outcomes of B.Sc V Sem Chemistry P-II

Inorganic Chemistry	<p>CO-1. Students learn about Industrial chemistry-I. CO-2. Know about Industrial Chemistry-II.</p>
Organic Chemistry	<p>CO-1. Learn about Reagents & Reactions. CO-2. Know about Mass Spectroscopy. CO-3. Gain knowledge about Dyes & Synthesis.</p>
Physical Chemistry	<p>CO-1. Able to explain about Surface chemistry. CO-2. Learn about chemical equilibrium. CO-3. Know about kinetics of Chain Reactions.</p>
Practical	<p>CO-1. Inorganic volumetric experiments. CO-2. Conductometric titration using i) strong acid & strong base ii) weak acid & strong base. CO-3. Determination of equivalent conductance of strong electrolyte (NaCl) at infinite dilution. CO-4. Determination of dissociation constant of (weak acid) acetic acid conductometrically. CO-5. Determination of percentage composition of unknown mixture of A & B liquids using abbe's refractometer by formula method & by graphical method. CO-6. Conductometric precipitation titration of NaCl vs AgNO₃ CO-7. Determination of specific rotation of glucose solution by polarimeter. CO-8. Determination of solubility of sparingly soluble salt (BaSO₄) conductometrically.</p>

Attainment

Inorganic	PO 1	PO 2	PO3	PO4	PSO1	PSO 2	PSO 3	PSO 4	PSO 5
CO1	3	2	1	-	2	-	-	-	-
CO2	3	2	2	-	2	-	-	-	-
Organic									
CO1	2	1	-	-	2	2	-	1	3
CO2	2	2	1	2	2	-	1	-	3
CO3	3	1	2	-	2	2	-	-	2
Physical									
CO1	2	1	-	-	1	1	2	-	1
CO2	2	1	1	-	2	-	2	-	1
CO3	2	1	-	-	2	-	1	-	-
Practical									
CO1	2	1	-	-	2	-	2	2	-
CO2	2	2	1	1	2	-	2	2	-
CO3	2	2	-	1	2	-	2	2	-
CO4	2	2	-	1	2	-	2	2	-
CO5	2	2	-	1	2	-	2	2	-
CO6	2	2	-	1	2	-	2	2	-
CO7	2	2	-	1	2	-	2	2	-
CO8	2	1	-	1	1	-	2	2	-

Course outcomes for B.Sc VI sem Paper - I

Inorganic chemistry	<p>CO-1. Students understand Coordination compound-II.</p> <p>CO-2. Learn about Metal-ligand Equilibria.</p> <p>CO-3. Know about Organometallic chemistry.</p>
Organic chemistry	<p>CO-1. Students learn about carbohydrates.</p> <p>CO-2. Know about vitamins and hormones and their importance.</p> <p>CO-3. Learn about polymers and its applications.</p> <p>CO-4. Learn about Quantum chemistry.</p>
Physical chemistry	<p>CO-1. Students Learn about electronic spectrum.</p> <p>CO-2. Know about Physical properties and molecular structure.</p> <p>CO-3. Learn about polymers and its applications.</p> <p>CO-4. Learn about terpinoids and their synthesis.</p>
Practical	<p>CO-1. Estimation of organic compounds i.e phenol, analine, Acetamide.</p> <p>CO-2. Determination of saponification value & iodine value of ground nut / coconut oil.</p> <p>CO-3. Estimation of glucose by benedict's reagent.</p> <p>CO-4. Determination of concentration of given acids mixture (HCl + CH₃COOH) conductometrically.</p> <p>CO-5. Verification of Beer-Lambert's law by colorimetric method & calculation of molar extension coefficient of FeCl₃ & copper sulphate.</p> <p>CO-6. Determination of concentration of strong acid HCl by potentiometric titration against strong base NaOH & FeSO₄ against K₂Cr₂O₇</p> <p>CO-7. Determination of heat of neutralization of strong acid by strong base by water equivalent calorimetric method.</p> <p>CO-8. Determination of solubility and solubility product of sparingly soluble salts (silver halides) by potentiometrically.</p>

Attainment

Inorganic	PO 1	PO 2	PO3	PO4	PSO1	PSO 2	PSO 3	PSO 4	PSO 5
CO1	2	-	-	-	2	2	1	-	-
CO2	2	-	-	-	2	2	-	-	-
CO3	2	1	-	-	2	2	-	-	1
Organic									
CO1	3	-	1	-	2	2	-	-	2
CO2	3	1	1	-	2	2	-	-	2
CO3	3	1	1	-	2	2	-	-	2
CO4	3	1	1	-	2	2	-	-	2
Physical									
CO1	2	1	-	-	1	-	1	-	2
CO2	2	1	-	-	2	-	2	-	-
CO3	3	1	1	-	2	-	-	-	-
CO4	2	-	-	-	1	-	1	-	-
Practical									
CO1	2	1	1	-	2	2	2	2	1
CO2	1	1	1	-	2	2	2	2	1
CO3	2	1	1	-	2	2	2	2	2
CO4	2	2	1	-	2	-	2	2	2
CO5	2	2	-	2	2	-	2	2	-
CO6	2	1	-	2	2	-	2	2	-
CO7	2	1	-	2	2	-	1	2	1
CO8	2	1	-	2	2	-	1	2	1

Course outcomes for B.Sc VI sem Paper - II

Inorganic chemistry	CO-1. Students understand Chromatography and its types. CO-2. Learn about soil analysis. CO-3. Know about electronic spectra of transition metal complexes.
Organic chemistry	CO-1. Students learn about chemotherapy. CO-2. Know about soap & detergents. CO-3. Learn about reaction mechanism. CO-4. Learn about NMR spectroscopy & its applications.
Physical chemistry	CO-1. Students Learn about electromotive force. CO-2. Know about Photochemistry.
Practical	CO-1. Estimation of ions by gravimetric experiments.

Attainment

Inorganic	PO 1	PO 2	PO3	PO4	PSO1	PSO 2	PSO 3	PSO 4	PSO 5
CO1	2	2	1	2	2	-	-	1	2
CO2	3	1	1	-	2	1	1	1	2
CO3	2	-	-	-	2	-	1	-	-
Organic									
CO1	2	1	1	-	2	2	1	-	2
CO2	3	1	-	-	2	2	1	-	2
CO3	2	1	-	-	2	2	1	-	2
CO4	2	1	-	1	2	1	-	-	2
Physical									
CO1	2	1	-	1	2	-	2	-	-
CO2	3	2	1	-	2	1	-	-	1
Practical									
CO1	2	1	-	-	2	-	-	2	1

PROGRAM: B.Sc. Mathematics

PROGRAM OUTCOMES

PO1: Learn to solve improper integrals.

PO2: Understand the Concepts of Matrices and linear equations.

PO3: Apply the knowledge of mathematics, science, arts and management principles to the solution of complex problems.

PO4: The mathematics UG students after the completion of the course will gain a thorough knowledge in preparing competitive examinations conducted by UPSC/KPSC.

PO5: Abstract courses and mathematical structures includes in the UG program enable the students to prepare themselves for higher education leading to M.Sc./MCA degree courses.

PROGRAM SPECIFIC OUTCOMES

PSO: Understand the concepts of algebra which include equations, numbers and algebraic structures.

PSO2: Students will be able to use the concepts of analysis in solving problems. The concepts include sets, numbers, functions and convergence.

PSO3: Understand mathematical ideas from basic axioms.

PSO4: Identify the applications of mathematics in other disciplines and society. **PSO5:** On completion of the program the students are well poised to pursue careers in academia, industry and the other areas of Mathematics.

PSO6: Students are able to understand and view mathematical structures.

PSO7: Students will learn numerical aptitude applying both qualitative and quantitative knowledge for their future career.

Course Outcomes B. Sc. Mathematics

✓ **B.Sc I Sem :**

Paper-1: Differential Calculus

CO-1:Learns various field axioms, the Archimedean property, triangle and inequality, modulus property.

CO-2: Gives the idea of limits and continuity,theorems to define derivatives. **CO-**

3:Understands the concept of Indeterminant forms as $0/0, \infty/\infty$ etc.

CO-4:Gives the idea of finding nth derivatives of different function and nth derivative of product of functions using Leibnitz theorem.

CO-5:Functions are expressed in series form using Maclaurin's series.

	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7
CO1	1	2	1	2	3	1	2	1	2	3	3	1
CO2	1	2	1	2	3	1	2	1	2	3	3	2
CO3	1	2	2	2	3	1	2	2	3	3	3	1
CO4	1	1	1	1	3	1	1	1	3	3	3	1
CO5	1	1	1	1	3	1	1	1	3	3	3	3

Paper-2: Algebra and Trigonometry

CO-1:Apply factor theorem, remainder theorem to solve problems on polynomials and by using given relations between roots We will find the roots of polynomials.

CO-2: Learns that this paper serves as a platform for advanced mathematics and for solving many real life problems.

CO-3: Gains knowledge in the expansion of trigonometric functions. **CO-4:** Extend the idea to Set theory, Functions, Countable and Uncountable sets.

CO-5: Gives the idea of finding determinant of 4x4 matrices using row transformation.

	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7
CO1	1	1	2	3	3	3	2	2	3	3	3	2
CO2	1	1	2	3	3	3	2	2	3	3	3	2
CO3	1	2	3	2	3	3	3	3	2	3	2	3
CO4	1	1	2	2	3	3	3	2	3	3	3	3
CO5	1	3	2	3	3	3	2	3	3	3	3	3

✓ **B.Sc IISem :**

Paper-1: Differential and Integral Calculus

CO-1: Understands that Differential Calculus are a powerful tool in solving problems of different geometric equations like parabola, ellipse etc in polar and pedal forms. Explanation for the finding arc length, curvature of different curves.

CO-2: Learns the concept of finding integrals of higher degree functions.

CO-3: Learns the concept of solving differentiation for more than one variables.

CO-4: Nature of given curve is studied under the concept of concavity and convexity.

CO-5: Gives the idea of different types of curves in polar, pedal, parametric and Cartesian forms and there relation.

	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7
CO1	3	3	3	3	3	1	2	1	2	3	3	1
CO2	3	2	2	3	3	1	2	1	2	3	3	2
CO3	2	2	2	3	2	1	2	2	3	3	3	1
CO4	1	2	1	3	2	1	1	1	3	3	3	1
CO5	2	1	2	3	3	1	1	1	3	3	3	3

Paper-2: Algebra and Geometry

CO-1: Solve various problems on properties of integers and use the basic concepts of divisibility, congruence and their applications in basic algebra.

CO-2: Solve the problems on sphere, cone and cylinder and how geometry is related to algebra by using their algebraic equations.

CO-3: Gives the idea of boolean algebra and drawing figures with the notation of vertex and edges.

CO-4: Gives the idea of rectangular cone, cylinder and sphere and its equation.

CO-5: Gives the idea of finding remainder using Fermat's theorem and Wilson's theorem.

	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7
CO1	1	1	2	3	3	3	2	2	3	3	3	2
CO2	1	1	2	3	3	3	2	2	3	3	3	2
CO3	1	2	3	2	3	3	3	3	2	3	2	3
CO4	1	1	2	2	3	3	3	2	3	3	3	3
CO5	1	3	2	3	3	3	2	3	3	3	3	3

✓ **B.Sc IIISem :**

Paper-1: Mathematical Logic and Real Analysis

CO-1: Understand the concepts of Mathematical logic such as Connections, Concepts of Tautology etc. Gives the idea of method of proofs.

CO-2: Gives the idea of Jaccobi's for two variables functions and expansion of functions in series form.

CO-3: Studying the nature of sequence.

CO-4: Finding the Maxima & minima of two variable functions and series expansion of two variable function

CO-5: Gives the idea about Cauchy's sequence and its relation with sequence.

	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7
CO1	1	1	2	3	2	1	2	3	3	3	2	2
CO2	1	1	2	3	2	1	2	3	3	3	2	2
CO3	1	2	3	2	2	2	2	3	3	3	3	3
CO4	1	1	2	2	2	2	2	2	3	3	3	3
CO5	1	3	2	3	2	2	3	3	3	3	3	3

Paper-2: Group Theory, Integral Calculus and Differential Equations

CO-1: Identify types of differential equations and solve differential equations such as Exact, homogeneous, non-homogeneous, and linear and Bernoulli differential equations etc.

CO-2: Analyse groups, abelian groups, symmetric groups and their properties.

CO-3: Assess properties implied by the definitions of group.

CO-4: Gives the idea of finding surface areas of different curves using definite integral.

CO-5: Gives the idea of checking the exactness property for differential equation and its solutions.

	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7
CO1	2	1	2	3	3	1	2	1	2	3	3	1
CO2	2	1	2	3	3	1	2	1	2	3	3	2
CO3	2	2	3	2	3	1	2	2	3	3	3	1
CO4	2	1	2	2	3	1	1	1	3	3	3	1
CO5	2	3	2	3	3	1	1	1	3	3	3	3

✓ **B.Sc IV Sem :**

Paper-1: Vector Calculus & Infinite Series

CO-1: Give examples for convergence, divergence and oscillating series. Discuss the behaviour of the geometric series. Prove theorems on different test of convergence and divergence of a series of positive terms.

CO-2: Gives the idea of vector calculus.

CO-3: Verify the given series is convergent or divergent by using different test.

CO-4: Gives the idea of differentiation of vectors.

CO-5: Introduction to Leibnitz theorem for alternative series which helps in checking the nature of the alternate series.

	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7
CO1	1	1	2	3	2	1	2	1	3	3	3	1
CO2	1	1	2	3	2	2	2	2	3	3	2	1
CO3	1	2	3	2	2	2	3	2	3	3	2	2
CO4	1	1	2	2	2	2	3	2	2	3	3	2
CO5	1	3	2	3	2	3	3	2	3	3	3	2

Paper-2: Group Theory, Fourier series and Differential equation

CO-1: Develop aspects of Normal subgroups and quotient groups. Distinguish the concept of Homeomorphisms.

CO-2: Learns the concept of solving higher order Differential Equations.

CO-3: Expand any periodic functions in terms of Fourier Transforms.

CO-4: Find Fourier series expansions for given functions.

CO-5: Find Cosine and Sine series expansions for given functions.

	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7
CO1	2	1	2	3	3	1	2	1	2	3	3	1
CO2	2	1	2	3	3	1	2	1	2	3	3	2
CO3	2	2	3	2	3	1	2	2	3	3	3	1
CO4	2	1	2	2	3	1	1	1	3	3	3	1
CO5	2	3	2	3	3	1	1	1	3	3	3	3

✓ **B.Sc V Sem :**

Paper-1: Real Analysis

CO-1: Understands the concept of Cauchy Riemann Integration. Nature of Integrals.

CO-2: Explain properties of Beta functions. Derive relation between Beta and Gamma functions.

CO-3: Explains the idea of finding area and volume by double and triple integrals.

CO-4: Gives the idea of differentiation under integral sign using Leibnitz rule.

CO-5: Finding the nature of the Integral.

	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7
CO1	2	1	2	3	3	1	2	3	3	3	2	2
CO2	2	1	2	3	3	1	2	3	3	3	2	2
CO3	2	2	3	2	3	2	2	3	3	3	3	3
CO4	2	1	2	2	3	2	2	2	3	3	3	3
CO5	2	3	2	3	3	2	3	3	3	3	3	3

Paper-2: Numerical Analysis

CO-1: Define Basic concepts of operators Δ, E, ∇ . Find intermediate values by using Newton's forward and backward formula and Lagrange's formula.

CO-2: Derive Simpson's 1/3, 3/8 rules using trapezoidal rule.

CO-3: Find the solution of ordinary differential equation of first by Euler, Taylor and Runge-Kutta methods.

CO-4: Introduction to Difference equations.

CO-5: Gives the idea of finding factorial polynomial.

	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7
CO1	-	1	2	3	3	1	2	1	3	3	3	1
CO2	-	1	2	3	3	2	2	2	3	3	2	1
CO3	-	2	3	2	3	2	3	2	3	3	2	2
CO4	2	1	2	2	3	2	3	2	2	3	3	2
CO5	1	3	2	3	3	3	3	2	3	3	3	2

Paper-3: Dynamic and Calculus of Variations

CO-1:Gains knowledge regarding projectiles.

CO-2: Acquire knowledge on impact and impulse of a particle on a surface.

CO-3:Be familiar with central orbits and central force.

CO-4:Gives the idea of finding components of velocity & acceleration of particals in different forms.

CO-5:Gives the idea of Functional and finding the smallest distance between two points for a given curve called geodesic.

	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7
CO1	1	1	2	3	3	1	2	1	3	3	3	1
CO2	1	1	2	3	3	2	2	2	3	3	2	1
CO3	3	1	3	2	3	2	3	2	3	3	2	2
CO4	3	1	2	2	3	2	3	2	2	3	3	2
CO5	3	2	2	3	3	3	3	2	3	3	3	2

✓ B.Sc VI Sem :

Paper-1: Differential Equations

CO-1:Ability to handle partial differential equations and solve them under appropriate assumptions.

CO-2: Ability to solve a linear system of p.d.e.'s.

CO-3:Gains knowledge in the concepts of Linear and non-linear PDF equations.

CO-4:Gives the idea of solving Samualtenous differential equation.

CO-5: Charpit's method and solving different types of differential equations of first order by charpit's method.

	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7
CO1	1	1	2	3	3	1	2	1	2	3	3	1
CO2	1	2	2	3	3	1	2	1	2	3	3	2
CO3	2	2	3	2	3	1	2	2	3	3	3	1
CO4	2	2	2	2	3	1	1	1	3	3	3	1
CO5	1	2	2	3	3	1	1	1	3	3	3	3

Paper-2: Complex Analysis and Ring Theory

CO-1: Students study about the concept of analytic function and linear transformations.

CO-2: Develop aspects of Subgroups, normal subgroups and quotient groups.

CO-3: Expand complex functions using Taylor's and Laurent's series and Classify singularities and residues.

CO-4: Learns about the calculus of residues and harmonic functions.

CO-5: Gains knowledge in Ring theory.

	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7
CO1	1	1	2	3	3	1	2	1	3	3	3	1
CO2	1	1	2	3	3	2	2	2	3	3	2	1
CO3	3	-	3	2	3	2	3	2	3	3	2	2
CO4	3	-	2	2	3	2	3	2	2	3	3	2
CO5	-	-	2	3	3	3	3	2	3	3	3	2

Paper-3: Topology and Laplace Transforms

CO-1: Use the methods of Laplace Transforms and Inverse Laplace Transforms to solve differential equations with constant coefficient.

CO-2: Apply Laplace transform to solve differential equations.

CO-3: Use inverse Laplace transform to return familiar functions. **CO-4:** Apply Laplace transform to solve second order linear differential equation and simultaneous linear differential equations.

CO-5 : Introduction to Topological space and standard theorems.

	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7
CO1	1	1	2	3	3	1	1	1	2	3	2	1
CO2	1	1	2	3	3	1	1	1	2	3	2	1
CO3	1	-	3	1	2	1	1	2	2	3	3	1
CO4	1	-	2	1	3	1	1	2	2	3	3	1
CO5	-	-	1	-	3	1	1	2	2	3	3	1

**DEPARTMENT OF BOTANY
PROGRAMME OUTCOMES**

Programme	Objectives
PO1: Understanding of fundamental knowledge.	Obtain quality education in the basic areas of Botany, learn to respect and conserve nature and the environment. Identify the angiosperms by applying keys, Learn the basic principles of food science
PO2: Experimental learning Methods.	Acquire practical skills to gather information, assess, create and execute new ideas to develop entrepreneurial skills
PO3: Opportunities	Develop a local, regional, national and international perspective and be competent enough in the area of plant science, genetic engineering and nanotechnology

PROGRAMME SPECIFIC OUTCOME

Programme	objectives
PSO1: Acquiring basic knowledge.	Obtain Knowledge in the internal structure and functions of various plant components, inheritance of characters and techniques of plant breeding
PSO2: Interdisciplinary Courses.	Biotechnology, Molecular biology, Microbiology, Genetics, Developmental biology, Pharmacognosy, Biochemistry, Harvest technology, Greenhouse technology, Horticulture.
PSO3: Building eco-friendly environment.	Plantation, Awareness of Campus Cleaning, Horticulture field visit, Tissue culture lab visit, Green house visit.
PSO4: Field visit.	Taxonomical Survey of plants, Onsite visits, Study tour ,Vegetation visit.
PSO5: Ability to Enhance skills.	Bonsai technique, Crude drug Evaluation, Microtomy, Organic Farming and Garden Management, Tissue culture, Social forestry, Indignous medicinal planning campus
PSO6: Development of designing skills.	Flow charts, Diagrams, Biological models. Power point presentation, Vedios, Smart board.
PSO7: Approach of Scientific temper.	Tissue culture, Biochemical tests. Working mechanism of ecological instruments.
PSO8: Building Applied Skills in Environmental science.	Bio-Conservation, Forest Management, Become aware about plant diversity and its conservation through plant tissue Culture
PSO9: Building methods of technique.	Post-harvest technology, green house technique, propagation of plants weeds control, fernery.
PSO10: Self Employment.	Nursery, preparation of permanent slides, soil-testing, farming, analyse the phytoconstituents of plants and plant drug adulteration, Tissue culture lab.

COURSE OUTCOME

B.Sc I Semester (Plant Anatomy and Embryology-THEORY)

CO1- Student will learn concept of tissue Systems in plants.

CO2- Student will learn knowledge about differentiation of plants.

CO3- Students will get the knowledge of wood anatomy.

CO4- Student will learn and understand reproductive organs of plants.

CO5- They will understand about Endosperm, embryo & seed development.

Attainments

Cos\POs and PSO's	Po1	Po2	Po3	Ps01	Ps02	PS03	PS04	PS05	PS06	PS07	PS08	PS09	PS010
CO1	3	3	2	3	-	-	-	-	-	-	1	-	-
Co2	3	3	2	3	1	-	1	-	3	1	2	-	-
Co3	3	1	2	3	-	-	1	-	-	-	-	-	-
CO4	3	3	1	2	-	-	-	-	2	-	-	-	-
CO5	3	3	1	3	2	-	-	-	1	-	-	-	3

B.Sc II Semester (Plant Physiology and Biochemistry-THEORY)

CO1- Student will learn about the plants and plant cells in relation to water.

CO2- Student will learn knowledge about the process of Photosynthesis in plants.

CO3- Students will learn about the process of respiration in higher plants.

CO4- Student will learn about the how the atmospheric nitrogen will fix in plants, growth regulators & physiological method of plants.

CO5- They will learn the structure and function of biomolecules.

CO6- Students will learn about the Pharmacognosy & Drug evaluation.

Attainments

Cos\POs and PSO's	Po1	Po2	Po3	Ps01	Ps02	PS03	PS04	PS05	PS06	PS07	PS08	PS09	PS010
CO1	3	3	1	3	-	-	-	-	-	1	-	-	-
Co2	3	3	2	3	-	-	-	-	-	-	-	-	-
Co3	3	3	1	3	-	-	-	-	-	-	-	-	-
CO4	3	3	2	3	-	-	-	-	-	-	-	-	-
CO5	3	3	3	3	3	-	-	-	2	-	-	-	-
CO6	3	3	3	3	3	3	2	3	2	3	3	-	2

B.Sc IV Semester (Diversity of Angiosperms and their Systemic, Economic Botany and Medicinal Botany-THEORY)

CO1- Student will learn about the Morphological Characteristics features and modifications of Angiospermic plants.

CO2- Student will learn knowledge about ICBN rules for Taxonomical ranks.

CO3- Students will learn about the Diversity of Angiosperms.

CO4- Student will learn about the Economic Importance of Plants.

CO5- They will learn the medicinal usage from plant sources.

Attainments

Cos\POs and PSO's	Po1	Po2	Po3	Pso1	Pso2	PSo3	PSo4	PSo5	PSo6	PSo7	PSo8	PSo9	PSo10
CO1	3	3	3	3	3	3	3	-	2	-	1	-	2
CO2	3	3	3	3	3	-	-	-	2	-	-	-	-
CO3	3	3	3	3	3	3	3	-	-	2	3	2	2
CO4	3	3	3	3	3	3	3	2	3	3	3	3	2
CO5	3	3	3	3	3	3	3	-	3	3	3	3	3

B.Sc V Semester (Paper I: Plant breeding, tissue culture and Horticultural practices-THEORY)

CO1- Student will study the plant breeding methods.

CO2- Student will get the knowledge about Hybridization & Tissue culture techniques.

CO3- Students will learn about the methods of propagation, plant irrigation, Nursery management & horticultural practices.

CO4- Student will learn about the construction of Green House.

CO5- They will learn the harvest Technology and weed management.

Attainments

Cos\POs and PSO's	Po1	Po2	Po3	Ps01	Ps02	PS03	PS04	PS05	PS06	PS07	PS08	PS09	PS010
CO1	3	3	3	3	3	3	3	2	2	2	2	1	2
CO2	3	3	3	3	3	3	3	3	3	2	3	3	3
CO3	3	3	3	3	3	3	3	3	2	3	1	2	2
CO4	3	3	3	3	3	3	3	3	3	1	1	3	2
CO5	3	3	3	3	3	3	3	3	3	-	1	3	3

**B.Sc V Semester (Paper II: Ecology, Environmental biology and
Phytogeography -THEORY)**

CO1- Student will study about the plant and its surrounding environment.

CO2- Student will get the knowledge about different types of ecosystem on the Earth.

CO3- Students will learn about the Phytogeography and botanical regions of the world.

CO4- Student will learn about the Conservation of natural resources.

CO5- They will learn about the types of pollution.

Attainments

Cos\POs and PSO's	Po1	Po2	Po3	Ps01	Ps02	PS03	PS04	PS05	PS06	PS07	PS08	PS09	PS010
CO1	3	3	2	3	-	3	3	-	2	-	2	2	2
CO2	3	3	-	3	-	3	2	-	2	-	3	-	-
CO3	3	3	3	3	-	3	3	-	2	3	3	-	-
CO4	3	3	3	3	-	3	3	-	2	-	3	-	-
CO5	3	3	-	3	-	3	-	-	-	-	2	-	-

B.Sc VI Semester (Paper II: Molecular biology, Biotechnology and Immunology-THEORY)

CO1- Student will understand the biochemical nature of nucleic acid.

CO2- Student will earn the knowledge of regulation of gene expression in prokaryotes and eukaryotes.

CO3- Students will understand the fundamentals of recombinant DNA technology.

CO4- Student will learn about the scope of biotechnology in recent technical field.

CO5- They will learn about the microbial genetic manipulation and immunology.

Attainments

Cos\POs and PSO's	Po1	Po2	Po3	Ps01	Ps02	PS03	PS04	PS05	PS06	PS07	PS08	PS09	PS010
CO1	3	3	3	3	3	-	-	-	2	-	-	-	-
CO2	3	3	-	3	3	-	-	-	2	-	-	-	-
CO3	3	3	3	3	3	-	-	-	2	-	-	-	-
CO4	3	3	3	3	3	-	2	-	2	-	-	-	-
CO5	3	3	2	3	-	-	-	-	-	2	-	-	3

Total Attainments

PCO\PO s and PSO's	Po1	Po2	Po3	Pso1	Pso2	PSo3	PSo4	PSo5	PSo6	PSo7	PSo8	PSo9	PSo10
CO1	2	2	3	2	1	-	-	2	3	-	2	-	3
CO2	3	2	2	3	1	2	-	2	2	-	-	-	2
CO3	2	1	-	2	-	-	2	-	3	-	-	-	1
CO4	2	-	2	2	3	3	2	3	3	2	3	3	2
CO5	3	2	3	3	2	3	3	2	3	2	3	3	3
CO6	2	1	2	1	-	2	3	1	1	1	2	2	3
CO7	2	1	2	3	2	3	-	2	3	3	2	3	3
CO8	2	1	2	1	2	2	3	2	3	2	3	2	3

1 : Good 2: Moderate 3: Average 4: Better

PO NO.	PROGRAMME OUTCOMES
PO – 1	Gain knowledge in basic biological principles and understands the interdependence among various organisms and the environment.
PO – 2	Understand the scientific methods, apply the knowledge of internal structure of cells, its functions in control of various metabolic functions
PO – 3	Do systematic investigations in order to establish facts and reach new conclusions
PO – 4	Apply the knowledge and understanding of zoology to one's own life and work
PO – 5	Develop responsibility and concern towards the fauna and its conservation
PO – 6	Know the fundamental concepts of zoological science.

PSO NO.	PROGRAMME SPECIFIC OUTCOMES Upon completion of these courses the student would attain,
PSO - 1	Perform experimental procedures and interpret the results in the areas of physiology, ecology, cell biology, genetics, applied zoology, biochemistry, animal biotechnology, immunology and research methodology
PSO – 2	Acquire critical interrogatory skills on various biological and environmental issues and apply the concepts of biochemistry, immunology and developmental biology.
PSO – 3	Acquire knowledge on microbes, biotechnology, bioinformatics and bio-statistical tools and implement it in biological and medical fields
PSO – 4	Be prepared to successfully compete in graduate programs, job placement, and become a socially responsible citizen

Course Title	Biology of Non-Chordate
CO No.	Course Outcomes
CO-1	Outline the Classification and characterize structural organization of Protozoa and Porifera.
CO-2	Identify Classify and Type study of various organisms belonging to Coelenterate Platyhelminthes and Aschelminthes.
CO-3	Outline the Classification and characterize structural organization of Annelida and Arthropods.
CO-4	Identify ,classify and type study of the various organisms belonging to Mollusca and Echinodermata
CO-5	Identify and study of parasites and parasitic adaptations.

Attainment Chart COs against POs & PSOs

POs& PSOs COS	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PSO-1	PSO-2	PSO-3	PSO-4
CO-1	2	2	3	3	2	3	2	1	1	2
CO-2	2	2	2	2	3	3	3	2	1	2
CO-3	2	2	3	2	2	3	2	2	1	2
CO-4	2	2	3	3	2	2	2	1	1	2
CO-5	2	2	3	3	3	3	2	2	2	2

Course Title	Biology of Chordates
CO No.	Course Outcomes
CO-1	List characters of protochordate.
CO-2	List the characters and type study of Pisces and amphibian. Explain how Frog belongs to the class Amphibia.
CO-3	List the characters and Critically analyze the characters, type study of reptiles and birds
CO-4	List the characters and type study of Mammal and study of systems and Comparative anatomy of Chordate Classes.

Attainment Chart of COs against POs & PSOs

POs& PSOs COS	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PSO-1	PSO-2	PSO-3	PSO-4
CO-1	2	2	3	3	2	3	2	1	1	2
CO-2	2	2	3	3	2	2	2	1	1	2
CO-3	2	2	3	3	3	3	2	2	2	2
CO-4	2	2	2	2	3	3	3	2	1	2
CO-5	2	2	3	2	2	3	2	2	1	2

Course Title	DEVELOPMENTAL BIOLOGY, ANIMAL PHYSIOLOGY & BIOCHEMISTRY
CO No.	Course Outcomes
CO-1	Illustrate the events that occur during fertilization, Outline the types and patterns of cleavage, Summarize the ectodermal and mesodermal Derivatives, Explain the principles of homeostasis.
CO-2	Describe the digestion and absorption of food, Summarize the clotting mechanism and cardiac cycle, Analyze the transport of respiratory gases,
CO-3	Explain the mechanism of muscle contraction and its energetic, Evaluate neural conduction and receptor mechanisms, Explain the structure and classification of carbohydrate, proteins and lipids.
CO-4	Explain the reactions of Glycolysis, TCA cycle, Glycogen metabolism, Gluconeogenesis and HMP Shunt, Explain the general reactions in amino acid metabolism, Urea cycle, Fatty acid synthesis and β oxidation, Explains the classification of enzymes, vitamins and there mechanism of enzyme action, The study about immune system of Human and also studied the reaction between antigen and antibody.
CO-5	Immunology, Endocrine System.

Attainment Chart of COs against POs & PSOs

POs& PSOs	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PSO-1	PSO-2	PSO-3	PSO-4
CO-1	2	2	3	2	1	3	3	2	3	3
CO-2	2	2	2	2	1	2	2	2	3	3
CO-3	2	2	3	3	2	3	3	1	2	3
CO-4	2	2	2	2	1	3	2	2	3	2
CO-5	2	2	3	3	2	2	3	2	3	3

Course Title	CELL BIOLOGY,HISTOLOGY & ANIMAL BEHAVIOUR
CO No.	Course Outcomes
CO-1	Contrast and identify different types of cells.
CO-2	Cell division and the stages Cellular aging and cell death, Cancer Cells.
CO-3	The study of Histology & Histochemical techniques, Study about Endocrine glands of mammalian.
CO-4	Ethology
CO-5	Study of different behavior and communication in animals, Study about parental caring in animals.

Attainment Chart of COs against POs & PSOs

POs& PSOs	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PSO-1	PSO-2	PSO-3	PSO-4
CO-1	2	3	3	3	2	3	3	3	3	2
CO-2	2	2	3	3	2	2	3	3	2	2
CO-3	2	3	2	2	2	3	3	2	3	2
CO-4	2	3	2	3	3	2	3	2	3	2
CO-5	2	3	2	3	2	3	3	3	3	3

Course Title	ECOLOGY, EVOLUTION, PALEONTOLOGY, ZOOGEOGRAPHY & WILD-LIFE CONSERVATION
CO No.	Course Outcomes
CO-1	Study about formation Earth and Different types of habitat, Detailed study of Bio-Geo Chemical cycle in nature. Know the climatic conditions and biodiversity of area.
CO-2	Explain the basic concepts and theories of Lamarck and Darwin, Apply Hardy – Weinberg law to calculate the gene frequency in population genetics.
CO-3	Detailed study about Mesozoic Reptiles
CO-4	Study the wildlife conservation methods and acts.

Attainment Chart of COs against POs & PSOs

POs& PSOs	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PSO-1	PSO-2	PSO-3	PSO-4
COS										
CO-1	3	3	3	3	4	3	2	3	2	3
CO-2	3	2	3	3	3	3	2	2	2	3
CO-3	3	2	3	2	2	3	2	3	3	2
CO-4	3	3	3	3	2	3	2	3	3	2
CO-5	3	3	3	3	2	3	2	2	3	3

Course Title	GENETICS, BIOTECHNOLOGY & BIOSTATISTICS
CO No.	Course Outcomes
CO-1	Examine the inheritance of mendelian traits in man. Explain the concept of crossing over, linkage and gene map, Illustrate the mechanism of sex determination
CO-2	. Explain the inheritance of sex linked genes and the role of sex limited and influenced genes in man.
CO-3	Introduction, Types and Branches of Biotechnology. Study the Molecular Biotechnology, Application of Biotechnology
CO-4	Detailed Study of fundamentals of Biostatistics, Explain the test of significance and calculates Student Test and Chi-square (X ²) test to infer on the given data.

Attainment Chart of COs against POs & PSOs

POs& PSOs COS	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PSO-1	PSO-2	PSO-3	PSO-4
CO-1	3	3	3	2	1	3	2	2	2	3
CO-2	3	2	2	3	2	3	2	3	2	3
CO-3	3	3	2	3	1	3	2	3	2	3
CO-4	3	3	2	2	1	3	2	3	2	3
CO-5	3	3	3	2	1	3	2	3	2	3

Course Title	APPLIED ZOOLOGY
CO No.	Course Outcomes
CO-1	Describe the cultivation, harvest and preservation of mulberry leaves
CO-2	Economic Importance of Honey, Vermiculture techniques and its importance in agricultural field.
CO-3	Describe different aquaculture practices Apply the knowledge of aquaculture in composite fish farming
CO-4	To study the different types of poultry breeds and By-Products of Poultry, How to maintain the animal breeds and also study the its Products & By-Products.

Attainment Chart of COs against POs & PSOs

POs& PSOs COS	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PSO-1	PSO-2	PSO-3	PSO-4
CO-1	3	3	3	4	2	3	3	3	2	4
CO-2	3	3	2	3	2	2	3	2	2	3
CO-3	3	2	2	3	2	3	2	3	2	3
CO-4	3	3	3	4	2	3	2	3	2	4
CO-5	3	2	3	3	2	2	3	2	2	4

Course Title	MICRO-BIOLOGY, NANOTECHNOLOGY, BIO-INFORMATICS, METHODS IN BIOLOGY AND RESEARCH METHODOLOGY
CO No.	Course Outcomes
CO-1	Differentiate gram positive and gram negative bacteria, identify the sensitivity of a microbe to given antibiotic, examine the quality of milk and examine with grapes for fermentation, Isolate DNA and immobilize enzyme.
CO-2	Study the Basic concepts of Nanotechnology and its applications, Goal and Sequences of Bioinformatics and also classification of biological data bases.
CO-3	Knowing the techniques of cell fraction and centrifugation, Detailed studied about Histochemical and immunization techniques
CO-4	Know the basic knowledge of research and their importance, Learn the How to write the research paper

Attainment Chart of COs against POs & PSOs

POs & PSOs COS	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PSO-1	PSO-2	PSO-3	PSO-4
CO-1	3	3	3	3	1	3	3	3	3	3
CO-2	3	2	3	3	2	3	2	3	3	2
CO-3	3	3	2	3	2	3	2	3	2	3
CO-4	3	2	3	3	2	3	3	2	3	3
CO-5	3	3	2	3	1	3	2	3	3	2

Total Attainment Chart

POs & PSOs COS	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PSO-1	PSO-2	PSO-3	PSO-4
CO-1	3	3	3	3	2	3	3	2	3	3
CO-2	3	2	3	3	2	3	3	2	3	2
CO-3	3	3	2	3	3	3	2	2	2	3
CO-4	3	2	3	3	2	3	2	2	2	3
CO-5	3	3	3	2	3	3	2	2	3	3

Department of Biotechnology

PO NO.	PROGRAM OUTCOMES
PO-1	Comprehend about the introduction and history of biotechnology, The scopes in agriculture, medicinal, agriculture and environment
PO-2	The cell biology and basic structural and functional study of prokaryotic and eukaryotic cells
PO-3	The growth, nutrition and factors affecting microbial growth, Monochrome staining, Negative staining, Gram's staining. Motility testing by hanging drop method
PO-4	The definition, classification, biological function, chemical and physical properties, structural characteristic of proteins and nucleic acids •Metabolic pathways TCA, ETC, Gluconeogenesis
PO-5	The fundamentals of DNA damage and repair, including types of mutation and repair mechanisms
PO-6	identify situations where one-way ANOVA is appropriate identify the degrees of freedom associated with each sum of squares, Interpret an ANOVA table
PO-7	The concept and techniques of Plant tissue culture
PO-8	Screening of microorganisms, storage and preservation of industrially important microorganisms
	PROGRAMME SPECIFIC OUTCOMES
PSO-1	Acquire knowledge on the fundamentals of biotechnology for sound and solid base which enables them to understand the emerging and advanced engineering concepts in life sciences
PSO-2	Students get the information about cell & its importance in biology
PSO-3	Empower the students to acquire technological knowhow by connecting disciplinary and interdisciplinary aspects of biotechnology
PSO-4	Students know about the contribution of microbiology scientist, types of microbes, and branches of microbiology & anatomy of microbes
PSO-5	Acquire knowledge in domain of biotechnology enabling their applications in industry and research
PSO-6	Students take the methodological review of cultivation of microbes, pure culture, staining, sterilization & disinfection
PSO-7	Identify the null hypothesis, alternative hypothesis and test statistic.

Semester I

Course Title	Cell Biology and Genetics
Co NO	Course Outcomes
CO-1	Contrast and identify different types of cells. Cell division and the stages Cellular aging and cell death, Cancer Cells.
CO-2	This course presents the types and structural details of the basic unit by which all the living things are made of (the cell).
CO-3	Explain the inheritance of sex-linked genes and the role of sex influenced 2enes in man.
CO-4	Examine the inheritance of mendelian traits in man- Explain the concept of crossing Over linkage and gene map, Illustrate the mechanism of sex determination
CO-5	On successful completion of the subject the student should have understood: Basic genetics and their role

Attainment Chart COs against POs & PSOs

POs & PSOs	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7	PO-8	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5	PSO-6	PSO-7
COS															
CO-1	2	2	3	3	3	2	-	2	2	-	-	-	-	-	-
CO-2	2	2	2	3	2	2	-	2	2	3	2	2	2	-	-
CO-3	2	2	3	2	3	2	3	2	2	3	-	-	-	-	-
CO-4	2	2	3	3	2	2	2	2	2	3	-	-	-	-	-

Semester II

Course Title	Biochemistry and biostatics
Co NO	Course Outcomes
CO-1	Basic bimolecular, via protein fats, enzymes and their relevance to biological molecular stabilization
CO-2	Explain the reactions of TCA cycle, Glycogen metabolism, Gluconeogenesis and I-IMP Shunt, Explain the general reactions in amino acid metabolism, Urea cycle, Fatty acid synthesis and oxidation, Explains the classification of enzymes, vitamins and there mechanism of enzyme action, The study about immune system of Human and also studied the reaction between anti en and antibod
CO-3	identify situauations where one-way is appropriate identify the degrees of freedom associated with each sumof squares, Interpret an ANOVA table
CO-4	Detailed Study of fundamentals of Biostatistics. Explain the of significanceand calculates Student Test and Chi-square (X2) test to infer on the 2iven data.

Attainment Chart COs against POs & PSOs

POs & PSOs	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7	PO-8	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5	PSO-6	PSO-7
CO-1	3	2	3	-	-	-	-	-	1	1	2	3	3	3	2
CO-2	2	-	3	-	-	-	-	3	3	-	2	3	2	3	1
CO-3	1	-	3	-	-	-	-	3	2	-	1	3	1	3	1
CO-4	1	2	-	-	2	-	-	-	3	2	2	-	-	-	-

Semester III

Course Title	Microbiology and immunology
Co NO	Differentiate gram positive and gram negative bacteria, identify the sensitivity of amicrobe to given antibiotic, examine the quality of milk and examine with for fermentation, Isolate DNA and immobilize e me.
CO-1	On successful completion of the subject the student should have understood the Roleof microorganisms in the diversity
CO-2	student should have understood the Role of microorganisms in the diversity
CO-3	This course presents the basic defense mechanism of animals Goals: To make thestudent to understood the concept immunology
CO-4	student should have understood: Immunity, Antigen, Antibody, Cells of immunesystem and their function and regulations

Attainment Chart COs against POs & PSOs

POs & PSOs	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7	PO-8	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5	PSO-6	PSO-7
CO-1	3	2	3	-	-	-	-	-	1	1	2	3	3	3	2
CO-2	2	-	3	-	-	-	-	3	3	-	2	3	2	3	1
CO-3	1	-	3	-	-	-	-	3	2	-	1	3	1	3	1
CO-4	1	2	-	-	2	-	-	-	3	2	2	-	-	-	-

Semester IV

Course Title	MOLECULAR AND BIOINFORMATICS
Co NO	Course Outcomes
CO-1	This course presents the genetics at molecular level Goals: On successful completion of the subject the student should have understood the molecular aspects of Molecular biology
CO-2	Describe fundamental molecular principles of genetics Understand relationship between phenotype and genotype in human genetic traits
CO-3	Develop an understanding of basic theory of these computational tools. Gain working knowledge of these computational tools and methods
CO-4	Appreciate their relevance for investigating specific contemporary biological questions
CO-5	Critically analyse and interpret results of their study.

Attainment Chart COs against POs & PSOs

POs & PSOs	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7	PO-8	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5	PSO-6	PSO-7
CO-1	2	3	-	-	-	-	-	-	3	3	2	-	2	-	1
CO-2	2	3-	-	-	-	-	-	-	2	3	2	-	2	-	-
CO-3	2	1	-	3	2	3	-	2	3	1	2	-	2	-	3
CO-4	2	1	-	2	1	3	-	-	-	2	1	1	3	3	3

V Semester, Paper - I

Course Title	Plant and animal biotechnology
Co NO	Course Outcomes
CO-1	This course presents the application of Plants in Biotechnology. student to understood usage of Plant products and exploitation of them in Biotechnology
CO-2	the student should have understood: Crop development, Callus culture, Biotechnological applications of plants,
CO-3	Gain knowledge of Crop development, Callus culture, Biotechnological applications of plants
CO-4	To make the student to understood usage of Animal products and exploitation of them in Biotechnology
CO-5	On successful completion of the subject, culture, , Animal tissue culture, Animal products, production & improvement of them.

Attainment Chart COs against POs & PSOs

POs & PSOs	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7	PO-8	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5	PSO-6	PSO-7
COS															
CO-1	3	2	2	-	2	-	-	-	3	2	1	3	2	1	-
CO-2	3	-	-	-	-	-	3	2	3	-	2	1	3	2	-
CO-3	3	-	3	2	1	-	3	1	3	-	3	2	3	2	1
CO-4	3	-	3	1	2	-	3	2	3	-	3	2	3	1	1

V Semester, Paper – II

Course Title	Recombinant DNA Technology and nanotechnology
Co NO	Course Outcomes
CO-1	his course presents the mechanism of gene manipulation genes. To make the student to understood the concept of gene manipulation and gene transfer technologies
CO-2	the student should have understood: Manipulation of genes, Transfer techniques, Expression systems and methods of selection
CO-3	Acquire knowledge of Manipulation of genes, Transfer techniques, Expression systems and methods of selection
CO-4	Study the Basic concepts of Nanotechnology and its applications, Goal and Sequences of Bioinformatics and also classification of biological data bases.

Attainment Chart COs against POs & PSOs

POs & PSOs	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7	PO-8	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5	PSO-6	PSO-7
CO-1	3	2	1	-	3	2	-	1	3	3	2	2	3	2	-
CO-2	3	3	1	1	3	1	-	1	3	3	2	2	1	-	-
CO-3	3	3	1	2	3	1	-	1	3	3	2	2	3	1	-
CO-4	3	-	2	1	3	3	-	2	3	-	2	3	2	1	3

semester VI- paper I

Course Title	Industrial and environmental biotechnology
Co NO	Course Outcomes
CO-1	The objectives of this course are to introduce students to developments/ advances made in field of microbial technology for use in human welfare and solving problems of the society.
CO-2	On completion of this course, students would develop deeper understanding of the industrial Biotechnology and its applications
CO-3	the Study and the Management of the Environment To make the student to understand Ecology and Conservation of the Environment
CO-4	The course will introduce major groups of microorganism's tools in biotechnology and their most important environmental applications. On completion of course, students will be able to understand the use of basic microbiological, molecular and analytical methods, which are extensively used in environmental biotechnology.

Attainment Chart COs against POs & PSOs

POs & PSOs	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7	PO-8	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5	PSO-6	PSO-7
CO-1	3	-	3	2	2	1	3	3	3	-	2	3	3	3	1
CO-2	3	-	1	1	2	3	3	2	3	-	3	3	3	2	-
CO-3	3	-	-	-	-	1	3	2	3	-	2	1	2	-	-
CO-4	3	-	3	-	1	3	3	1	2	-	3	2	3	1	-

Semester VI- paper II

Course Title	AGRICULTURE AND MEDICAL BIOTECHNOLOGY
Co NO	Course Outcomes
CO-1	Microbes involved in the production of Biofertilizer Microbes used as biopesticides and neem used as biopesticide
CO-2	Biological nitrogen fixation, Crop improvement by agricultural biotechnology
CO-3	Bt. Cotton and Golden rice, Production of Vaccine.
CO-4	Production of insulin by r DNA Technology CO8.Gene therapy and disease diagnosis and treatment

Attainment Chart COs against POs & PSOs

POs & PSOs	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7	PO-8	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5	PSO-6	PSO-7
CO-1	3	-	-	-	3	2	1	2	3	-	2	3	2	2	-
CO-2	2	-	-	2	1	-	2	3	3	-	1	2	3	1	-
CO-3	3	2	2	3	3	1	3	2	2	3	2	3	2	1	-
CO-4	3	3	2	3	3	-	2	2	3	-	2	3	2	1	1

B.Sc. statistics

After successful completion of three year degree program in Statistics a student should be able to;

Programme outcomes:

- **PO-1:** Students acquired knowledge on quantitative analysis and to face any competitive examination.
- **PO-2:** Student ability to know fundamental and basic Knowledge three equal importance subject(PMS) further he may go in higher education or research area or he may joined corporate sector.
- **PO-3:** Student ability to apply his knowledge on other applied sciences for analysis of data and research.

Programme Specific Outcome

- **PSO-1:** Application of statistics in various walks of life.
- **PSO-2:** Understanding how to collect, present, analyze and interpret the data of the applied sciences.
- **PSO-3:** Ability to apply various statistical tools to research problem.
- **PSO-4:** Application of various distributions to real life situation.

Course Outcome B.Sc Statistics

B.Sc I sem – Univariate data analysis and probability

- ❖ CO-1: Fundamental knowledge of statistics, data collection, presentation, analysis and its interpretation.
- ❖ CO-2: Presentation of data with diagrams and graphs.
- ❖ CO-3: Data analysis by central tendency, dispersion, Skewness and kurtosis.
- ❖ CO-4: Concept of Probability and random variables.

Mapping of Cos with Pos and PSOs

COs/POs and PSOs	PO-1	PO-2	PO-3	PSO-1	PSO-2	PSO-3	PSO-4
CO-1	3	3	3	3	3	3	2
CO-2	3	3	3	3	3	3	3
CO-3	3	3	3	3	3	3	2
CO-4	3	3	3	3	2	2	3

Note: 1-Considerble, 2-Moderate, 3-High, 4-Very High

B.Sc II sem – Bivariate data analysis and probability distribution

- ❖ CO-1: Fundamentals of distribution functions.
- ❖ CO-2: Concept of Co-relation and regression theory.
- ❖ CO-3: Standard discrete and continuous distribution models.
- ❖ CO-4: Concept of Index number.

Mapping of Cos with Pos and PSOs

COs/POs and PSOs	PO-1	PO-2	PO-3	PSO-1	PSO-2	PSO-3	PSO-4
CO-1	2	2	2	2	1	2	3
CO-2	3	3	3	3	-	2	2
CO-3	3	3	2	3	-	3	3
CO-4	3	1	2	1	-	2	-

Note: 1-Considerble, 2-Moderate, 3-High, 4-Very High

B.Sc III sem – Sampling Distribution and Non-Parametric Test

- ❖ CO-1: Concept of sampling distribution and large sample test
- ❖ CO-2: Concept of small sample test
- ❖ CO-3: Non-Parametric test
- ❖ CO-4: Concept of multiple and partial correlation and regression

Mapping of COs with Pos and PSOs

COs/POs and PSOs	PO-1	PO-2	PO-3	PSO-1	PSO-2	PSO-3	PSO-4
CO-1	3	3	3	3	1	3	2
CO-2	3	3	3	3	-	3	3
CO-3	2	2	2	1	-	2	2
CO-4	3	3	3	2	-	2	1

Note: 1-Considerble, 2-Moderate, 3-High, 4-Very High

B.Sc IV sem - Statistical Inference

- ❖ CO-1: Concept of point estimation and Methods of estimation
- ❖ CO-2: Interval estimation theory
- ❖ CO-3: Testing of statistical hypothesis and UMP, LRT

Mapping of COs with Pos and PSOs

COs/POs and PSOs	PO-1	PO-2	PO-3	PSO-1	PSO-2	PSO-3	PSO-4
CO-1	2	2	2	2	-	3	2
CO-2	2	2	2	3	-	3	3
CO-3	2	2	2	1	-	3	2

Note: 1-Considerble, 2-Moderate, 3-High, 4-Very High

B.Sc V sem P1- ANOVA, Design of Experiment and SPRT

- ❖ CO-1: Concept of Analysis of variance
- ❖ CO-2: Concept of Design of Experiment and Split plot design
- ❖ CO-3: Concept of SPRT
- ❖ CO-4: Concept of Factorial Experiment

Mapping of COs with Pos and PSOs

COs/POs and PSOs	PO-1	PO-2	PO-3	PSO-1	PSO-2	PSO-3	PSO-4
CO-1	3	2	3	3	-	3	3
CO-2	2	2	2	3	-	2	3
CO-3	2	2	2	2	-	1	2
CO-4	1	1	1	2	-	2	1

Note: 1-Considerble, 2-Moderate, 3-High, 4-Very High

B.Sc V sem P2- Sampling theory and Demography

- ❖ CO-1:Concept of sampling and Simple Random Sampling
- ❖ CO-2:Stratified Random Sampling
- ❖ CO-3:Systematic Random Sampling
- ❖ CO-4:Concept of Demography and Life tables

Mapping of COs with Pos and PSOs

COs/POs and PSOs	PO-1	PO-2	PO-3	PSO-1	PSO-2	PSO-3	PSO-4
CO-1	3	3	3	3	3	3	2
CO-2	3	3	3	3	2	2	1
CO-3	3	3	3	2	2	2	1

CO-4	2	2	2	3	-	3	-
------	---	---	---	---	---	---	---

Note: 1-Considerable, 2-Moderate, 3-High, 4-Very High

B.Sc VI sem P1- Statistical Quality Management and Econometrics

- ❖ CO-1: Concept of SQC and Control charts for variables
- ❖ CO-2: Control charts for Attribute
- ❖ CO-3: Time Series analysis
- ❖ CO-4: Econometrics

Mapping of COs with Pos and PSOs

COs/POs and PSOs	PO-1	PO-2	PO-3	PSO-1	PSO-2	PSO-3	PSO-4
CO-1	2	2	3	3	3	3	1
CO-2	2	2	3	3	3	2	1
CO-3	3	3	3	3	2	3	2
CO-4	2	2	2	2	2	2	1

Note: 1-Considerable, 2-Moderate, 3-High, 4-Very High

B.Sc VI sem P2- Operations Research

- ❖ CO-1: Concept of OR and LPP model
- ❖ CO-2: Concept of Transportation and Assignment Theory
- ❖ CO-3: Decision Theory
- ❖ CO-4: Inventory Theory

Mapping of COs with Pos and PSOs

COs/POs and PSOs	PO-1	PO-2	PO-3	PSO-1	PSO-2	PSO-3	PSO-4
CO-1	2	3	3	2	-	2	-
CO-2	3	3	3	2	-	3	-
CO-3	2	2	2	2	-	2	-

CO-4	3	3	3	3	-	2	-
------	---	---	---	---	---	---	---

Note: 1-Considerable, 2-Moderate, 3-High, 4-Very High

BSc Computer Science POs and PSOs

Program Outcomes

1. As a computing professional, collaborate effectively on domestic and global projects and programs.
2. Use current computing technologies and methods for the design and implementation of solutions in industry.
3. Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional practice.
4. Practice continuous learning to maintain and achieve professional and personal excellence.
5. Able to communicate with, and learn from experts from different domains throughout their careers

Program specific outcomes

1. Realize that there are multiple solutions to a given problem and these solutions will have a real impact on people's lives
2. Encompass an appreciation for the structure of computer systems and the processes involved in their construction and analysis
3. Apply problem-solving skills and the knowledge of computer science to solve real world problems.
4. Understand, analyse and develop computer programs in the areas related to algorithm, web design and networking for efficient design of computer based system.
5. Develop technical project reports and present them orally among the users

BSc. I Sem

C- programming

- Students are encouraged to learn basics of programming skills
- Students shall gain a familiarity with working in programming environment
- Students learn logics, problem solving techniques using programs
- Students can develop simple programs using basics of C

Attainment of C Programming

Pos & PSOs	PO1	PO2	PO3	PO4	PO5	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5
Cos										
CO-1	3	3	3	2	3	3	3	2	1	3
CO-2	3	3	3	1	3	3	3	3	2	2
CO-3	3	3	3	2	3	3	3	3	2	3
CO-4	3	3	3	2	3	3	3	3	2	3

**B.Sc. II
Sem**

Data Structures Using C

- Students will learn memory allocation of data elements
- Students are encouraged to learn File systems
- Students are encouraged to learn Searching and Sorting techniques
- Students will learn organisation of the data elements using stack, queue, linked list, etc

Attainment of Data Structures Using C

Pos & PSOs	PO1	PO2	PO3	PO4	PO5	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5
Cos										
CO-1	3	3	2	2	3	3	2	2	1	2
CO-2	3	3	2	2	2	3	2	2	2	3
CO-3	3	3	1	2	3	3	1	2	2	1
CO-4	3	3	2	1	3	3	2	2	2	3

**B.Sc. III
Sem**

Digital Logic and Computer Design

- Students are encouraged to learn Digital Systems
- Students are encouraged to learn basics of Boolean Algebra
- Students are encouraged to learn Logic Circuits
- Students are encouraged to learn Memory and Programmable logics

Attainment of Digital Logic and Computer Design

Pos & PSOs	PO1	PO2	PO3	PO4	PO5	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5
Cos										
CO-1	3	3	-	2	2	1	-	-	1	-
CO-2	3	2	-	-	2	-	-	-	-	-
CO-3	3	3	-	-	2	-	-	-	-	-
CO-4	3	2	1	1	1	2	1	2	2	-

**B.Sc. IV
Sem**

Operating System

- Students are encouraged to learn Operating System and its types
- Students are encouraged to study process management and CPU scheduling algorithms.
- Students are encouraged to study various issues in inter-process communication and OS role in IPC, understand the deadlock prevention and avoidance.
- Students are encouraged to understand the concepts of memory management and virtual memory policies and solve problems using page replacement algorithms.
- Students are encouraged to study the I/O management by OS, disk scheduling, file management and file operations and directory implementation.

Attainment of Operating System Principles

Pos & PSOs	PO1	PO2	PO3	PO4	PO5	PSO 1	PSO 2	PSO 3	PSO 4	PSO5
Cos										
CO-1	3	2	2	2	1	1	1	2	3	1
CO-2	3	3	2	3	3	3	2	2	3	1
CO-3	3	2	3	3	3	3	2	2	3	2
CO-4	3	3	3	3	3	3	2	3	3	2
CO-5	3	3	2	2	3	2	2	3	3	1

Program outcomes (PO), Program Specific Outcomes (PSO), Course Outcomes CO) of B.Com.

❖ Program Outcomes (PO)

- **PO-1:** After completion of B.Com Course students will be ready to take employment in financial areas like Accounting, Costing, Taxation, Banking, Insurance, Auditing, Business Finance, Statistics and Computer Application.
- **PO-2:** Learners will gain knowledge of Finance and Various Disciplines of Commerce.
- **PO-3:** After completion of B.com Programme student will fit in as an employee at middle level management, family business, entrepreneur, Manager, consultant, stock brokers and decision makers.
- **PO-4:** Capability of students to make decisions at personal and professional level will increase after completion of this program.
- **PO-5:** Students will able to do their higher education like M.Com, MBA and Apply Competitive exams and also prove themselves in professional exams like CA, CMA, CS, UPSC & KPSC.

❖ Programs Specific Outcomes (PSO)

- **PSO-1:** Understand the basic concepts of Commerce, Accounting, Economics, Marketing, Statistics, CA and Students will able to acquire the practical skills to manage work as Tax consultant, Audit assistant and other financial supporting services.
- **PSO-2:** Knowledge in setting up computerised set of Accounting Books.
- **PSO-3:** Application of Mathematical and Statistical tools in Commerce, Economics and Industry.
- **PSO-4:** To understand Various Investment opportunities, To Develop communication skills and business environment skills as well as self employment in the field of trade and commerce.
- **PSO-5:** Appraise the multi dimensional business situations and access the financial health of companies.
- **PSO-6:** Analyse relationship among Commerce, Trade Industry, Services, Management and Administration.

Course Outcomes (CO) of B.COM I SEMESTER

(After completion of course)

FINANCIAL ACCOUNTING-1

Course	Course Outcomes
Financial Accounting-I	By the end of the course, students will be able CO-1: To understand the concepts, nature and purpose of Financial statements in relationship to decision making. CO-2: To develop the skills of recording financial transactions and preparation of various types of accounts for employment. CO-3: To use basic Accounting System to solve variety of business problems. CO-4: To know the procedure of Royalty Account, Farm account and Accounting for Professionals.

Attainment chart

FINANCIAL ACCOUNTING-I											
CO/ PO/PSO	PO 1	PO 2	PO 3	PO 4	PO5	PSO1	PSO 2	PSO 3	PSO 4	PSO5	PSO6
CO 1	1	3	1	2	2	2	2	1	-	2	2
CO 2	3	2	2	2	1	2	2	2	1	3	2
CO 3	2	3	2	2	2	1	2	2	-	2	2
CO 4	2	2	2	1	2	2	2	2	2	2	3

BUSINESS ENVIRONMENT

Course	Course Outcomes
Business Environment	Students will be able to understand CO-1: The various Factors influencing on Business. CO-2: The role of different environment on decision making. CO-3: The corporate social responsibility. CO-4: The new economic policies and LPG

Attainment chart

BUSINESS ENVIRONMENT											
CO/ PO/PSO	PO 1	PO 2	PO 3	PO 4	PO 5	PSO 1	PSO2	PSO3	PSO4	PSO5	PSO 6
CO 1	-	-	3	2	1	-	2	3	2	2	1
CO 2	-	2	2	2	1	-	1	2	3	2	2
CO 3	-	2	2	1	1	-	2	-	2	2	2
CO 4	1	2	3	2	1	2	3	2	1	2	2

SECRETARIAL PRACTICE

Course	Course Outcomes
Secretarial Practice	Students will be able CO-1: To Acquaint legal provisions of Company Act 2013. CO-2: To understand the documents which are necessary to incorporate the company CO-3: To understand rights, duties and liabilities of company secretary CO-4: To understand the requisite of a valid meeting.

Attainment chart

SECRETARIAL PRACTICE											
CO/ PO/PSO	PO 1	PO 2	PO 3	PO 4	PO 5	PSO1	PSO 2	PSO 3	PSO4	PSO5	PSO 6
CO 1	-	-	2	1	2	-	2	1	2	2	3
CO 2	-	2	2	2	1	-	2	2	1	2	1
CO 3	-	2	1	1	2	-	1	1	3	2	2
CO 4	1	1	3	2	1	1	1	3	2	2	2

Course Outcomes (CO) of B.COM II SEMESTER

FINANCIAL ACCOUNTING-II

Course	Course Outcomes
Financial Accounting-II	Expected Out comes CO-1: To impart the skills of Preparation of Final Accounts of Various Organisations. CO-2: To develop the skills of recording of accounting transactions relating to Consignment, Branch Account, Hire Purchase and Instalment. CO-3: To Acquaints about application of Accounting Knowledge in special business areas. CO-4: To understand the needs and importance of human resource accounting.

Attainment chart

FINANCIAL ACCOUNTING-II											
CO/ PO/PSO	PO 1	PO 2	PO 3	PO 4	PO 5	PSO1	PSO 2	PSO 3	PSO4	PSO5	PSO 6
CO 1	3	2	2	-	2	2	3	2	-	2	2
CO 2	2	2	2	1	2	3	3	2	1	1	2
CO 3	2	2	2	-	2	2	2	1	-	1	2
CO 4	2	2	1	1	2	2	2	2	1	2	2

MARKETING MANAGEMENT

Course	Course Outcomes
Marketing Management	Expected Out comes CO-1: To Acquaint students about various job opportunities in the field of marketing. CO-2: To develop the marketing strategies based on Product, Price, and Place and Promotion objectives. CO-3: To understand the buyer behaviour, market segmentation and channels of distributions. CO-4: To understand core marketing concepts.

Attainment chart

MARKETING MANAGEMENT											
CO/ PO/PSO	PO 1	PO 2	PO 3	PO 4	PO 5	PSO 1	PSO 2	PSO3	PSO 4	PSO5	PSO 6
CO 1	-	-	2	1	2	-	-	2	2	1	2
CO 2	1	2	2	1	1	-	1	2	3	1	1
CO 3	-	1	2	3	1	1	1	1	3	2	2
CO 4	-	-	1	2	1	-	1	3	2	2	2

ACCOUNTING THEORY

Course	Course Outcomes
Accounting Theory	Expected Out comes CO-1: To understand the evolution of modern accounting theory. CO-2: To understand the importance of Accounting Standards for maintaining Books of Accounts. CO-3: To understand the application of inventory methods like FIFO and LIFO in different business scenario. CO-4: To understand the accounting concepts principles and postulates to take proper decision

Attainment chart

ACCOUNTING THEORY											
CO/ PO/PSO	PO 1	PO 2	PO 3	PO 4	PO 5	PSO 1	PSO2	PSO 3	PSO4	PSO 5	PSO6
CO 1	-	2	1	1	1	-	2	1	2	2	2
CO 2	3	2	2	1	2	3	3	2	2	2	2
CO 3	1	2	2	2	1	2	2	2	1	2	2
CO 4	2	2	2	1	1	2	2	2	2	1	2

Course Outcomes (CO) of B.COM III SEMESTER

CORPORATE ACCOUNTING-I

Course	Course Outcomes
Corporate Accounting-I	<p>Expected Out comes</p> <p>CO-1: To enable the students to develop awareness about corporate accounting in conformity with the provisions of Companies Act 2013 and accounting as per Indian Accounting Standards.</p> <p>CO-2: To make aware the students about conceptual aspects of Liquidation, Valuation of Shares and Goodwill.</p> <p>CO-3: To well versed with preparation of final Accounts and Bank Accounts.</p> <p>CO-4: To understand how to prepare liquidators final statements of accounts.</p>

Attainment chart

CORPORATE ACCOUNTING-I											
CO/ PO/PSO	PO 1	PO 2	PO 3	PO 4	PO 5	PSO1	PSO 2	PSO3	PSO4	PSO 5	PSO6
CO 1	-	3	1	1	3	-	1	2	3	3	3
CO 2	1	3	1	1	3	-	1	2	3	3	3
CO 3	-	3	2	2	3	3	-	3	3	3	3
CO 4	1	2	2	1	1	3	1	1	3	2	2

RETAIL MANAGEMENT

Course	Course Outcomes
Retail Management	<p>Expected Out comes</p> <p>CO-1: To familiarise the students with basic concepts and principles of retail marketing to increase analytical skills.</p> <p>CO-2: This will enable the students to become good retail planners and decision makers.</p> <p>CO-3: To understand the retail Pricing like Mark-ups and Mark-Downs.</p> <p>CO-4: To understand sales promotions, advertising, public relation in retail market</p>

Attainment chart

RETAIL MANAGEMENT											
CO/ PO/PSO	PO 1	PO 2	PO 3	PO 4	PO 5	PSO1	PSO 2	PSO3	PSO 4	PSO5	PSO 6
CO 1	-	1	3	2	1	-	1	1	3	-	2
CO 2	1	-	1	2	1	-	1	1	-	1	2
CO 3	-	2	2	1	1	-	2	1	2	1	2
CO 4	-	2	1	1	2	1	1	2	1	-	2

PRINCIPLES OF ENTREPRENEURSHIP DEVELOPMENT

Course	Course Outcomes
Principles of Entrepreneurship Development	Expected Out comes CO-1: To understand the challenges faced by women entrepreneurs. CO-2: To understand the creativity and innovation for decision making. CO-3: To understand the basic entrepreneurial qualities to become successful entrepreneurs. CO-4: To know various problems solving techniques in relation to entrepreneurship development.

Attainment chart

PRINCIPLES OF ENTERPRENURSHIP DEVELOPMENT											
CO/ PO/PSO	PO 1	PO 2	PO 3	PO 4	PO 5	PSO1	PSO 2	PSO 3	PSO 4	PSO5	PSO 6
CO 1	-	-	2	1	2	-	3	1	3	2	1
CO 2	-	1	2	1	1	-	2	1	2	2	1
CO 3	1	2	2	2	1	1	1	1	3	2	2
CO 4	-	1	2	3	2	-	1	2	1	2	2

BANKING LAW AND PRACTICE

Course	Course Outcomes
Banking Law and Practice	Expected Out comes CO-1: To understand the role. Structure and functions of RBI. CO-2: To understand the Banker and Customer relationship. CO-3: To understand concepts like Core Banking, Net Banking, Online Banking, NEFT, RTGS, MICR, IFSC etc. CO-4: To understand working mechanism of banking system in India.

Attainment chart

BANKING LAW AND PRACTICE											
CO/ PO/PSO	PO 1	PO 2	PO 3	PO 4	PO 5	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PSO 6
CO 1	-	1	1	1	1	-	2	1	2	1	1
CO 2	-	3	3	3	3	-	2	1	3	3	3
CO 3	1	2	2	1	3	-	3	3	3	3	2
CO 4	1	3	3	3	3	1	3	2	1	3	3

Course Outcomes (CO) of B.COM IV SEMESTER

CORPORATE ACCOUNTING-II

Course	Course Outcomes
Corporate Accounting-II	Expected Out comes CO-1: To understand the concepts like Amalgamation, Absorption, and Internal Reconstruction etc. CO-2: To understand the Holding Company Operations. CO-3: To understand the provisions relating to preparations of accounts at mergers and acquisitions. CO-4: To know importance and methods of the forensic and creative accounting

Attainment chart

CORPORATE ACCOUNTING-II											
CO/ PO/PSO	PO 1	PO 2	PO 3	PO 4	PO 5	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6
CO 1	2	3	1	-	3	2	1	2	-	3	3
CO 2	2	3	1	1	3	2	1	2	3	3	3
CO 3	3	3	3	2	2	3	3	2	-	3	3
CO 4	1	2	2	-	1	2	1	1	2	2	2

BUSINESS COMMUNICATIONS

Course	Course Outcomes
Business Communications	Expected Out comes CO-1: To understand the concepts, process and importance of Communication. CO-2: To develop the Communication Skills through applications and various reports. CO-3: To develop awareness regarding different types of letter writing. CO-4: To understand how to draft corporate report in various situations.

Attainment chart

BUSINESS COMMUNICATION											
CO/ PO/PSO	PO 1	PO 2	PO 3	PO 4	PO 5	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6
CO 1	-	1	2	1	1	-	1	1	3	1	1
CO 2	-	2	2	1	2	-	2	1	2	-	1
CO 3	-	1	2	2	1	-	2	1	3	2	1
CO 4	1	-	1	1	1	1	-	1	2	2	1

FINANCIAL MANAGEMENT

Course	Course Outcomes
Financial Management	Expected Out Comes CO-1: To enrich the student's knowledge on importance of finance in business decisions. CO-2: To understand the responsibilities of Finance Manager towards Stake Holders. CO-3: To gain the knowledge regarding source of capital and working capital requirements. CO-4: To know importance of profit and wealth maximisation.

Attainment chart

FINANCIAL MANAGEMENT											
CO/ PO/PSO	PO 1	PO 2	PO 3	PO 4	PO 5	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6
CO 1	2	3	1	2	1	3	2	1	-	3	3
CO 2	2	2	2	1	1	1	1	1	2	3	2
CO 3	2	2	2	2	1	2	2	1	2	2	2
CO 4	1	2	2	2	-	2	2	2	-	2	3

MODERN BUSINESS LAW

Course	Course Outcomes
Modern Business Law	Expected Out Comes CO-1: To understand the Indian Contract Act to aware on consideration, Free consent, undue influence, Agreement etc. CO-2: To know the indemnity and guarantee. CO-3: To understand the provisions of Law pertaining to Cyber crime. CO-4: To understand the concepts of Right to Information Act.

Attainment chart

MODERN BUSINESS LAW											
CO/ PO/PSO	PO 1	PO 2	PO 3	PO 4	PO 5	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6
CO 1	-	2	2	3	2	-	1	2	3	3	3
CO 2	1	1	2	3	2	2	1	1	3	3	3
CO 3	2	3	1	3	3	1	1	1	3	1	3
CO 4	-	3	3	3	3	-	1	1	3	2	3

Course Outcomes (CO) of B.COM V SEMESTER

MANAGEMENT ACCOUNTING

Course	Course Outcomes
Management Accounting	Expected Out comes CO-1: To understand various concepts, terms and tools of management accounting. CO-2: To understand sources and applications of fund. CO-3: To understand analysis and interpretations and financial statements as well as various Ratios to know the solvency position and operating efficiency of different Business concerns. CO-4: To know how to analyse various financial statements to take sound decision in business organisation.

Attainment chart

MANAGEMENT ACCOUNTING											
CO/ PO/PSO	PO 1	PO 2	PO 3	PO 4	PO 5	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6
CO 1	1	2	3	2	1	2	2	1	3	2	2
CO 2	1	2	1	1	1	2	2	2	1	3	2
CO 3	2	3	1	2	1	2	1	2	1	3	2
CO 4	3	3	2	1	1	2	2	2	1	3	2

INCOME TAX-I

Course	Course Outcomes
Income Tax-I	Expected Out Comes CO-1: To understand the concepts like Assessee, Assessment, Pervious Year, Resident and Non-Resident. CO-2: To Understand the various heads of Income Tax. CO-3: To understand the Income Tax Act and learn to assess the income tax of a person according to income tax provisions. CO-4: To know various important sources of revenues to the state and central government.

Attainment chart

INCOME TAX-I											
CO/ PO/PSO	PO 1	PO 2	PO 3	PO 4	PO 5	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6
CO 1	2	2	1	1	-	2	2	1	-	1	2
CO 2	3	2	2	-	2	1	1	2	-	1	2
CO 3	2	3	2	1	-	1	3	2	3	1	2
CO 4	2	2	2	-	1	1	2	-	2	1	3

ELEMENTS OF COSTING - I

Course	Course Outcomes
Elements of Costing- I	Expected Out comes CO-1: To understand how to control cost and preparation of cost sheet. CO-2: To serve as guide to price fixing. CO-3: To provide knowledge about the ascertainment of profitability of each product and advise the management to maximise its profit. CO-4: To know behaviour of various costs in each output.

Attainment chart

ELEMENTS OF COSTING-I											
CO/ PO/PSO	PO 1	PO 2	PO 3	PO 4	PO 5	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6
CO 1	2	2	-	2	2	2	2	1	-	2	2
CO 2	2	2	2	1	1	3	2	2	2	3	2
CO 3	2	3	1	2	1	2	2	-	2	2	2
CO 4	3	2	2	-	2	2	2	1	2	2	2

INDIAN FINANCIAL MARKETS

Course	Course Outcomes
Indian Financial Markets	Expected Out comes CO-1: To understand the various schemes of Mutual fund for investment. CO-2: To understand classification of Financial markets. CO-3: To understand the Stock Exchange Market and its operations. CO-4: To understand Mutual fund and its procedure.

Attainment chart

INDIAN FINANCIAL MARKET											
CO/ PO/PSO	PO 1	PO 2	PO 3	PO 4	PO 5	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6
CO 1	-	1	-	1	2	-	1	2	1	-	2
CO 2	-	1	2	1	2	-	3	1	1	-	1
CO 3	1	2	2	1	1	1	1	2	1	3	1
CO 4	2	2	-	1	2	-	2	2	1	32	2

GOODS AND SERVICES TAX -I

Course	Course Outcomes
Goods And Services Tax -I	Expected Out comes CO-1: To understand basic concepts, Need for introduction of GST. CO-2: To create awareness among students about registration process in GST. CO-3: To know various Exemptions of GST. CO-4: To understand various classification of GST implemented in India

Attainment chart

GOODS AND SREVICE TAX-I											
CO/ PO/PSO	PO 1	PO 2	PO 3	PO 4	PO 5	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6
CO 1	1	2	3	2	1	1	-	-	1	1	2
CO 2	2	1	3	3	1	1	-	2	1	-	1
CO 3	1	2	-	1	-	1	2	-	2	-	2
CO 4	1	1	1	-	2	1	-	1	-	2	2

Course Outcomes (CO) of B.COM VI SEMESTER

MODERN AUDITING AND PRACTICE

Course	Course Outcomes
Modern Auditing and Practice	Expected Out comes CO-1: To understand the basic concepts and objectives of auditing. CO-2: To acquaint oneself with auditing procedure and report writing. CO-3: To understand the vouching and Investigation. CO-4: To know payment process and return in GST

Attainment chart

MODERN AUDITING PRACTICE											
CO/ PO/PSO	PO 1	PO 2	PO 3	PO 4	PO 5	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6
CO 1	2	1	3	1	-	2	1	1	-	1	2
CO 2	3	2	1	2	1	2	1	2	2	3	2
CO 3	2	2	2	2	2	2	2	1	2	2	2
CO 4	2	2	2	1	-	2	2	2	-	3	2

INCOME TAX-II

Course	Course Outcomes
Income Tax-II	Expected Out comes CO-1: To understand various deductions from Gross total income CO-2: To understand the knowledge of long term Capital Gain. CO-3: To understand the procedure of Assessment of individual and firms. CO-4: To know set off and carry forwarding of losses

Attainment chart

INCOME TAX-II											
CO/ PO/PSO	PO 1	PO 2	PO 3	PO 4	PO 5	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6
CO 1	2	3	-	2	2	1	1	1	-	1	2
CO 2	2	2	2	2	2	1	2	1	-	1	1
CO 3	2	3	2	3	2	1	1	3	3	1	2
CO 4	2	1	2	2	2	1	-	2	1	2	1

COSTING METHODS AND TECHNIQUES-II

Course	Course Outcomes
Costing Methods and Techniques-II	Expected Out comes CO-1: To understand the various methods and techniques of costing. CO-2: To understand reconciliation statement. CO-3: To know the ascertainment of losses and gains in process costing. CO-4: To know how job costing and contract costing used in various business field.

Attainment chart

COSTING METHODS AND TECHNIQUES-II											
CO/ PO/PSO	PO 1	PO 2	PO 3	PO 4	PO 5	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6
CO 1	3	2	1	2	2	3	2	2	-	2	2
CO 2	2	2	3	1	1	2	2	2	2	2	2
CO 3	2	2	1	2	1	2	2	1	2	2	3
CO 4	2	2	3	1	2	2	3	1	2	2	2

INDIAN FINANCIAL SERVICES

Course	Course Outcomes
Indian financial Services	Expected Out comes CO-1: To understand the emerging financial services. CO-2: To increasing the knowledge of students about process involved in De-mat, Re-mat, Factoring and forfeiting. CO-3: To enhance the knowledge of students about lease evaluation. CO-4: To understand various types of lease finance

Attainment chart

INDIAN FINANCIAL SERVICES											
CO/ PO/PSO	PO 1	PO 2	PO 3	PO 4	PO 5	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6
CO 1	-	2	1	1	2	-	1	1	1	1	-
CO 2	2	2	1	1	2	1	1	2	2	1	1
CO 3	3	1	2	1	3	1	2	1	1	-	1
CO 4	1	1	2	1	2	-	1	1	2	1	1

GOODS AND SERVICES TAX -II

Course	Course Outcomes
Goods And Services Tax -Ii	Expected Out comes CO-1: To understand different rates of GST. CO-2: To know the concepts like ITC and Tax invoice. CO-3: To understand the types of return. CO-4: To understand refund under GST

Attainment chart

GOODS AND SERVICE TAX-II											
CO/ PO/PSO	PO 1	PO 2	PO 3	PO 4	PO 5	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6
CO 1	2	-	2	1	2	1	2	-	-	1	1
CO 2	2	1	2	3	2	1	2	2	-	-	1
CO 3	1	1	1	-	-	2	-	1	1	1	1
CO 4	2	-	1	1	2	1	3	1	1	2	1

Department of BBA

The B.B.A programme is a judicious mix of all functional areas of management. This programme emphasis on theories, basic concepts and application management concepts. The programme is designed in such a fashion to provide ample scope for practical exposure by including. This is the only UG programme in Management.

Preparation of Project Reports (Needs survey)

Field works/Industrial visits/ study tours

Viva voce etc.

All these will provide cutting edge to this programme over the other similar ones

Programme outcomes

PO – 1: Managerial competencies:

Imparts basic principles, functions and operational knowledge on all functional parlors (Marketing, H R, Finance and Production) of business management.

PO – 2 : Research Skills and Rational Thinking :

Students can demonstrate their Research and analytical skills to solve business problems of real business world by using different Research, Statistical and ICT tools, methods and techniques.

PO - 3 Proficiency in communication and Human Relations:

Proficiency in reading, writing and presentation skills for self development as well as to maintain healthy interpersonal relations in an organizational setting.

PO – 4: Accounting & Taxation Knowledge :

Students gain sufficient inputs regarding various accounting (i.e. Financial, corporate, cost accounting) and taxation principles, procedures, methods, rules & regulations and their applications in corporate world as well as for their own ventures.

PO – 5: Business Ethics and Values:

Students are deep rooted with ethics, values driven, environmental friendly approach and social responsible behavior towards business practices.

Programme specific outcomes (PSO)

PSO – 01 : Employability and Job Competencies

The programme develops skills and train the students to become competent enough for entry level management professionals (Middle level management) in corporate world & to face various competitive exams of state and central government.

PSO – 02 : Higher Education and Career Growth

The programme enables the students to take – up higher education to become business profession, consultants, teacher and employee to serve the community at large.

PSO – 03 : Self Reliance and Entrepreneurship

Students will be able to create, identify and evaluate the opportunities present in the dynamic business environment to start their own venture (entrepreneurship) or to run their family business in an effective manner

PSO 04 : Tech Savvy

Students are able to use modern ICT tools & technology in digitized business world.

BBA First Semester

Course Name: MIL Kannada

Course Outcomes

CO 1: Students are able to understand their social and personal responsibilities from stories of eminent writers in Kannada.

CO 2: Students will be able to comprehend letters, write reports for effective communication by using most appropriate words of Kannada.

CO 3: Students gain knowledge about ancient Kannada literature , Vachanas and Keerthanas

CO 4: Language skills are enhanced by giving focus on grammar and comprehension.

Pos & PSOs COs	PO 1 Mgt. Know. & Skill	PO 2 Res & Rational	PO 3 COMM. & Relation	PO 4 ACC TAX	PO 5 Ethics & Values	PSO1 Job Compet.	PSO2 Higher Education	PSO3 Entrep.	PSO4 Tech SAVVY
CO – 1	1	1	2	--	1	1	--	1	--
CO – 2	2	1	2	--	1	1	--	1	--
CO – 3	1	--	1	--	2	--	--	--	--
CO - 4	1	--	1	--	1	--	--	--	--

Course Name: Add. MIL English

Course out Come:

CO 1: Students gain knowledge of writing letters and reports in standard format with perfect grammar.

CO 2: Students can create awareness programme by skit and role play.

CO 3: Students are able to create their C.V. and enhance their reading skills.

Pos & PSOs COs	PO 1 Mgt. Know. & Skill	PO 2 Res & Rational	PO 3 COMM. & Relation	PO 4 ACC TAX	PO 5 Ethics & Values	PSO1 Job Compet.	PSO2 Higher Education	PSO3 Entrep.	PSO4 Tech SAVVY
CO – 1	2	2	2	---	---	2	2	1	1
CO – 2	2	1	2	---	1	2	2	1	1
CO – 3	1	1	2	--	1	2	1	1	1

Course Name: Indian Constitution

Course Out Comes:

CO 1: Students will be able to make use of fundamental rights and duties personally & professionally.

CO 2: Students will be able to understand the value of Indian constitution and will be applying it ethically in day today life.

CO 3: The students will come to know about functioning of union government as well as state government.

CO 4: The students acquaint knowledge about Judicial system of India.

Pos & PSOs COs	PO 1 Mgt. Know. & Skill	PO 2 Res & Rational	PO 3 COMM. & Relation	PO 4 ACC TAX	PO 5 Ethics & Values	PSO1 Job Compet.	PSO2 Higher Education	PSO3 Entrep.	PSO4 Tech SAVVY
CO – 1	1	-	1	-	2	2	1	1	-
CO – 2	1	-	-	-	1	2	1	1	-
CO – 3	2	-	1	-	-	2	1	1	-
CO – 4	1	1	1	-	1	2	1	1	-

Course Name: Management Concept

Course Out Comes:

CO 1 – Gain knowledge on various theories of Management

CO 2 - Understands basics of Management functions and principles.

CO 3 – Understand importance of planning and decision making

CO 4 - Gain knowledge about various types of Organisation structures, Authority and Responsibility, and Delegation of Authority

CO 5 - Understand process of selection and recruitment and different theories of motivation, styles of leadership

Pos & PSOs COs	PO 1 Mgt. Know. & Skill	PO 2 Res & Rational	PO 3 COMM. & Relation	PO 4 ACC TAX	PO 5 Ethics & Values	PSO1 Job Compet.	PSO2 Higher Education	PSO3 Entrep.	PSO4 Tech SAVVY
CO – 1	2	1	1	-	1	2	2	1	-
CO – 2	2	1	1	-	1	2	2	2	-
CO – 3	1	-	1	-	-	2	2	2	1
CO – 4	2	-	1	-	1	2	2	2	-
CO – 5	2	1	1	-	1	2	2	2	1

Course Name: Principles of Marketing

Course Out Comes:

CO 1 - Acquire basic fundamental knowledge about Marketing

CO 2 - Understand the concept of marketing environment

CO 3 - Gain insights on Segmenting and Positioning

CO 4 - Understand Marketing Mix in detail

CO 5 - Prepare Marketing plan for a new business idea

Pos/ PSOs COs	PO 1 Mgt. Know. & Skill	PO 2 Res & Rational	PO 3 COMM. & Relation	PO 4 ACC TAX	PO 5 Ethics & Values	PSO1 Job Compet.	PSO2 Higher Education	PSO3 Entrep.	PSO4 Tech SAVVY
CO – 1	1	2	1	-	-	2	2	2	-
CO – 2	2	2	1	1	1	2	2	2	-
CO – 3	1	2	-	2	-	2	2	3	2
CO – 4	2	1	-	2	2	2	2	3	1
CO – 5	2	1	3	--	2	2	2	2	1

Course Name: Managerial Economics

Course Out Comes:

CO 1 - Students get awareness about Micro and Macro economics concepts

CO 2 - Students get Law of Demand, Law of supply, Types of Demand and Elasticity of Demand and their functioning in real business environment.

CO 3 - Students will come to know about production function and factors of production. They can differentiate between different costs involved in production function.

CO 4 - They get better knowledge about BEP its application in business world.

Pos &PSOs COs	PO 1 Mgt. Know. & Skill	PO 2 Res & Rational	PO 3 COMM. & Relation	PO 4 ACC TAX	PO 5 Ethics & Values	PSO1 Job Compet.	PSO2 Higher Education	PSO3 Entrep.	PSO4 Tech SAVVY
CO – 1	2	1	1	-	-	2	2	2	1
CO – 2	3	2	2	1	1	2	2	2	-
CO – 3	2	-	1	2	-	2	2	2	1
CO – 4	2	2	1	2	-	2	2	2	1

Course Name: Basic Accountancy

Course Out Comes:

CO 1 - Students acquire conceptual knowledge of Accountancy and Accounting standards & concepts

CO 2 - Students will be able to explain and recognise elements of Accounts such as Journal, Ledger, subsidiary books, Trial balance etc.

CO 3 - Students can prepare subsidiary books, different types of cash book and Bank reconciliation statement.

CO 4 - Students can understand the difference between revenues and capital and are able to prepare final accounts with special reference to sole proprietorship. They will come to about different methods of depreciation.

Pos & PSOs COs	PO 1 Mgt. Know. & Skill	PO 2 Res & Rational	PO 3 COMM. & Relation	PO 4 ACC TAX	PO 5 Ethics & Values	PSO1 Job Compet.	PSO2 Higher Education	PSO3 Entrep.	PSO4 Tech SAVVY
CO – 1	2	1	2	3	1	2	2	3	2
CO – 2	2	1	1	2	1	2	2	2	1
CO – 3	2	-	-	2	1	2	2	3	2
CO – 4	2	-	2	2	2	2	2	2	1

Course Name: Accounting Lab

Course Out Comes:

CO 1 - Students can utilize and practice their accounting knowledge using tally software.

CO 2 - The students are able to understand ledger creation, groups, Vouchers and about inventory management.

CO 3 - They are capable of knowing profit and loss account, balance sheet of a company and stock position etc.

Pos & PSOs COs	PO 1 Mgt. Know. & Skill	PO 2 Res & Rational	PO 3 COMM. & Relation	PO 4 ACC TAX	PO 5 Ethics & Values	PSO1 Job Compet.	PSO2 Higher Education	PSO3 Entrep.	PSO4 Tech SAVVY
CO – 1	2	1	1	2	1	2	2	2	2
CO – 2	2	-	1	2	1	2	2	2	2
CO – 3	2	-	2	2	1	2	2	2	2

BBA Second Semester

Course Name: Kannada

Course Out Come

Co 1- Students learn about Vachanas of Sharanaru of 12th century and Tatvapadas(Songs of moral values in lucid manner) of Shishunil Shariff

Co 2- Students will come to know about Keerthanas of Purandar Das and Kanaka Das.

CO 3- Students come to know about Janapada literature (literature of common uneducated rural people)

CO-4 Students come to know about the stories, causes and effects of global warming and measures to reduce it

Pos & PSOs COs	PO 1 Mgt. Know. & Skill	PO 2 Res & Rational	PO 3 COMM. & Relation	PO 4 ACC TAX	PO 5 Ethics & Values	PSO1 Job Compet.	PSO2 Higher Education	PSO3 Entrep.	PSO4 Tech SAVVY
CO – 1	1	--	1	--	2	--	--	--	--
CO – 2	--	--	1	--	2	--	--	--	--
CO – 3	1	1	1	--	2	--	--	1	--
CO – 4	1	1	2	--	1	1	--	1	--

Course Name: Business Communication**Course Out Comes:**

CO 1 - Understand importance of effective communication in business

CO 2 - Differentiate between different methods of communication

CO 3 - Determine the appropriate communication channel for business communication

CO 4 - Understand role and importance of Non Verbal Communication

CO 5 - Write business letters to all stakeholders

Pos & PSOs COs	PO 1 Mgt. Know. & Skill	PO 2 Res & Rational	PO 3 COMM. & Relation	PO 4 ACC TAX	PO 5 Ethics & Values	PSO1 Job Compet.	PSO2 Higher Education	PSO3 Entrep.	PSO4 Tech SAVVY
CO – 1	2	-	2	-	-	2	2	2	-
CO – 2	2	-	2	-	-	2	2	2	1
CO – 3	1	-	2	-	1	2	2	2	2
CO – 4	2	-	2	-	2	2	2	2	-
CO – 5	2	-	2	-	1	2	2	2	1

Course Name: Financial Accounting**Course Out Comes:**

CO 1- Students will be familiarised to Hire Purchase System and Instalment Purchase System and benefits of both the systems. They are able to prepare the chart showing Interest and Principal and ledger accounts.

CO 2 - Students can understand Royalty system and types of royalties and are able to prepare the charts displaying Royalty payables and short workings and ledger accounts.

CO 3 - Students gain knowledge about Departmental accounts and Branch accounts. They can prepare the accounts of both systems under different methods.

CO 4 - Students are given knowledge about NTCs and their functioning. They are able to differentiate between Revenue and Capital and they will be capable of preparing I&E A/c and Balance sheet of NTC.

Pos & PSOs COs	PO 1 Mgt. Know. & Skill	PO 2 Res & Rational	PO 3 COMM. & Relation	PO 4 ACC TAX	PO 5 Ethics & Values	PSO1 Job Compet.	PSO2 Higher Education	PSO3 Entrep.	PSO4 Tech SAVVY
CO – 1	2	1	2	3	1	2	2	3	2
CO – 2	2	1	1	2	1	2	2	2	1
CO – 3	2	-	-	2	1	2	2	3	2
CO – 4	2	-	2	2	2	2	2	2	1

Course Name: Human Resources Management

Course Out Comes:

CO 1 - Students will come to know about basics, functions, objectives, responsibility & significance of HRM

CO 2 – Students acquaint knowledge about HR planning, Job analysis, job design, job rotation, job classification and evaluation.

CO 3 – students get an insight about recruitment, selection, placement and induction.

CO 4: Students come to know about wage and salary administration and different method of compensations.

CO 5: Students will familiarise with grievances handling and quality circles.

Pos & PSOs COs	PO 1 Mgt. Know. & Skill	PO 2 Res & Rational	PO 3 COMM. & Relation	PO 4 ACC TAX	PO 5 Ethics & Values	PSO1 Job Compet.	PSO2 Higher Education	PSO3 Entrep.	PSO4 Tech SAVVY
CO – 1	2	1	2	-	2	2	2	2	1
CO – 2	2	1	1	-	1	2	2	2	-
CO – 3	2	1	2	-	2	2	2	2	1
CO – 4	2	1	1	2	1	2	2	2	1
CO – 5	2	2	2	--	2	2	2	2	--

Course Name: Indian Business Environment

Course Out Comes:

CO 1 - To familiarize the students about business & business environments and their impact in operating business.

CO 2 - Students will acquaint the knowledge about Indian economy, new economic policy 1991, small scale industries policy & Indian Niti Aayoga

CO 3 - Students to understand the Indian government with respect to business, government control & regulations, FDI & EXIM Policy

CO 4 - To operate business students should know about the monetary policy, RBI, credit control measures & Fiscal policy of country.

Pos & PSOs COs	PO 1 Mgt. Know. & Skill	PO 2 Res & Rational	PO 3 COMM. & Relation	PO 4 ACC TAX	PO 5 Ethics & Values	PSO1 Job Compet.	PSO2 Higher Education	PSO3 Entrep.	PSO4 Tech SAVVY
CO – 1	2	-	2	1	2	2	2	2	-
CO – 2	1	-	2	-	1	2	2	2	1
CO – 3	2	1	2	1	2	2	2	2	-
CO - 4	2	1	2	1	2	2	2	2	-

Course Name: Business Statistics**Course Out Comes:**

CO 1 - Students will be familiarised with various basic statistical techniques and tools for application in business decisions.

CO 2 – Students will be able to calculate averages like Mean, Median and Mode and variations of data relating to business.

CO 3 - Students will understand the importance of Skewness and Time series and application of the same in business world.

Pos & PSOs COs	PO 1 Mgt. Know. & Skill	PO 2 Res & Rational	PO 3 COMM. & Relation	PO 4 ACC TAX	PO 5 Ethics & Values	PSO1 Job Compet.	PSO2 Higher Education	PSO3 Entrep.	PSO4 Tech SAVVY
CO – 1	1	2	2	--	-	2	2	2	2
CO – 2	2	3	2	---	1	2	2	2	2
CO – 3	2	2	1	--	1	2	2	1	1

Course Name: Business Communication Lab**Course Out Comes:**

CO 1 - Students acquire knowledge of creating documents and format text in Microsoft word.

CO 2 - Students will be able to use Microsoft word tools to improve work flow, change page lay-out and advance formatting.

CO 3 - Students will be able to create professional presentations with appropriate images and videos.

CO 4 - Students gain knowledge to create work books, format text and organise data in MS excel.

Pos & PSOs COs	PO 1 Mgt. Know. & Skill	PO 2 Res & Rational	PO 3 COMM. & Relation	PO 4 ACC TAX	PO 5 Ethics & Values	PSO1 Job Compet.	PSO2 Higher Education	PSO3 Entrep.	PSO4 Tech SAVVY
CO – 1	3	1	3	-	2	3	3	3	3
CO – 2	3	-	2	-	-	3	3	3	1
CO – 3	3	1	3	-	2	3	3	3	2
CO – 4	3	1	3	-	2	3	3	3	2

BBA Third Semester

Course Name: Kannada

Course Out Comes :

CO 1: Students gain knowledge about various literatures such stories, poems, folklore, grammar etc.

CO 2: They come to know about the writing skill of eminent Kannada writers in Poetry as well as in prose.

Co 3: Students will develop strong value system by referring to prose of eminent writers in Kannada.

Pos & PSOs COs	PO 1 Mgt. Know. & Skill	PO 2 Res & Rational	PO 3 COMM. & Relation	PO 4 ACC TAX	PO 5 Ethics & Values	PSO1 Job Compet.	PSO2 Higher Education	PSO3 Entrep.	PSO4 Tech SAVVY
CO – 1	2	1	2	---	1	2	2	2	1
CO – 2	1	1	1	--	1	1	1	1	1
CO – 3	1	--	--	--	2	1	1	1	--

Course Name: English

Course Out Comes :

CO 1: Students will come to know about social evils and measures to eradicate the same.

CO 2: Students will be in position to frame appropriate sentences by learning concord and phrasal verbs.

CO 3: Students will develop writing ability and translation ability from English to Kannada.

Pos & PSOs COs	PO 1 Mgt. Know. & Skill	PO 2 Res & Rational	PO 3 COMM. & Relation	PO 4 ACC TAX	PO 5 Ethics & Values	PSO1 Job Compet.	PSO2 Higher Education	PSO3 Entrep.	PSO4 Tech SAVVY
CO – 1	2	1	2	---	1	2	2	2	1
CO – 2	1	1	1	--	1	1	1	1	1
CO – 3	1	--	--	--	2	1	1	1	--

Course Name: Corporate accounting - I

Course Out Comes

CO 1 - Students will understand application of provision of company Law in preparation of company accounts as per companies Act- 2013

CO 2 - Students will get knowledge about Journal entries of Issue of shares at par, at discount and at premium and also about Over subscription, Under subscription and forfeiture of shares.

CO 3 - Students will be able to prepare final accounts of companies as per schedules in vertical format.

CO 4 - Students will be able to calculate the value of shares under different methods and profit prior to incorporation and after incorporation.

Pos & PSOs COs	PO 1 Mgt. Know. & Skill	PO 2 Res & Rational	PO 3 COMM. & Relation	PO 4 ACC TAX	PO 5 Ethics & Values	PSO1 Job Compet.	PSO2 Higher Education	PSO3 Entrep.	PSO4 Tech SAVVY
CO – 1	2	2	2	-	1	2	2	3	-
CO – 2	3	-	3	-	1	2	2	3	-
CO – 3	3	1	2	-	-	3	2	3	-
CO – 4	2	-	2	-	2	2	2	3	1

Course Name: Personality Development & Life skills

Course Out Comes

CO 1 - Understand the evolution of Personality

CO 2 - Understand the importance of teamwork and Communication skills.

CO 3 - Understand various types of leadership and their practical implications

CO 4 - Understand and follow Social etiquettes in their personal and Professional life

Pos & PSOs COs	PO 1 Mgt. Know. & Skill	PO 2 Res & Rational	PO 3 COMM. & Relation	PO 4 ACC TAX	PO 5 Ethics & Values	PSO1 Job Compet.	PSO2 Higher Education	PSO3 Entrep.	PSO4 Tech SAVVY
CO – 1	1	-	1	2	2	2	2	2	1
CO – 2	1	-	1	2	1	2	2	2	1
CO – 3	1	-	1	2	1	2	2	2	1
CO – 4	1	1	1	2	1	2	2	1	-

Course Name: Quantitative Techniques**Course Out Comes**

CO 1: To prepare the students how to use the application of quantitative technique in business.

CO 2: To understand the correlation and regression between two variables, concept of probability, variables and

CO 3: mathematical expressions to tackle the business problems.

CO 4: To have a actual knowledge of market research by using the hypothesis tests.

CO 5: To understand the students trial and error method by using the theoretical distributions in business.

Pos & PSOs COs	PO 1 M K S	PO 2 R &R	PO 3 COM REL	PO 4 ACC TAX	PO 5 ETH	PSO1 JOB COMP	PSO2 HIGH EDU	PSO3 ENT	PSO4 IT
CO – 1	2	-	1	-	1	2	2	2	-
CO – 2	2	1	1	-	1	1	2	2	-
CO – 3	2	1	1	-	1	1	2	1	1
CO – 4	2	2	1	-	1	2	2	1	1
CO – 5	1	-	1	-	1	-	1	1	-

Course Name: Cost Accounting**Course Out Comes**

CO – 1 Students will be familiarised to the concepts of cost accounting, importance, objectives, Techniques of material control, types of stock levels & stores ledger.

CO – 2 Students will come to know about overhead distribution summary such as primary & secondary distribution & absorption rates

CO – 3 Students get knowledge about process accounting treatment of normal loss & abnormal loss in process accounting and about by – products & joint products

CO – 4 Students gain knowledge about different rules adopted for preparation financial account & cost account and also come to know about the reasons for disagreement of profits or both accounts.

Pos & PSOs COs	PO 1 Mgt. Know. & Skill	PO 2 Res & Rational	PO 3 COMM. & Relation	PO 4 ACC TAX	PO 5 Ethics & Values	PSO1 Job Compet.	PSO2 Higher Education	PSO3 Entrep.	PSO4 Tech SAVVY
CO – 1	2	2	-	-	-	2	2	2	-
CO – 2	2	2	-	-	1	2	2	1	2
CO – 3	3	3	-	-	1	3	2	-	2
CO – 4	2	2	-	-	1	2	2	1	2

Course Name: Entrepreneurship Development**Course Out Comes**

CO 1: To acquire the students for appropriate entrepreneurial skills & Capabilities.

CO 2: To focus them to be self reliant, innovative, creative & self motivating to be independent entrepreneur.

CO 3: To make them familiar with supporting agencies for entrepreneurship & to imbibe them with successful profiles of entrepreneur by giving practical knowledge.

CO 4: To prepare them for project formulation & report writing so they can start their own start-ups.

Pos & PSOs COs	PO 1 Mgt. Know. & Skill	PO 2 Res & Rational	PO 3 COMM. & Relation	PO 4 ACC TAX	PO 5 Ethics & Values	PSO1 Job Compet.	PSO2 Higher Education	PSO3 Entrep.	PSO4 Tech SAVVY
CO – 1	1	1	1	1	-	2	2	1	2
CO – 2	-	-	-	1	-	2	2	-	2
CO – 3	1	2	-	1	-	2	2	1	2
CO – 4	-	-	-	1	-	2	2	-	2

Course Name: Computer Application**Course Out Comes:**

CO 1: Students will get basic knowledge of computer

CO 2: Students will learn different platform to operate the computer (windows, Linux)

CO 3: Students will get knowledge of problem solving techniques using computer

CO 4: Students will learn basic knowledge of computer programming (C Languages)

Pos & PSOs COs	PO 1 Mgt. Know. & Skill	PO 2 Res & Rational	PO 3 COMM. & Relation	PO 4 ACC TAX	PO 5 Ethics & Values	PSO1 Job Compet.	PSO2 Higher Education	PSO3 Entrep.	PSO4 Tech SAVVY
CO – 1	1	-	1	2	1	2	2	1	-
CO – 2	1	-	1	2	1	1	2	1	-
CO – 3	1	-	1	2	1	1	2	1	-
CO – 4	1	-	1	2	1	1	1	1	-

Course Name: Computer Application Lab

Course Out Comes:

CO 1: students will learn basics of C programme

CO 2: Students will develop small business applications.

Pos &PSOs COs	PO 1 Mgt. Know. & Skill	PO 2 Res & Rational	PO 3 COMM. & Relation	PO 4 ACC TAX	PO 5 Ethics & Values	PSO1 Job Compet.	PSO2 Higher Education	PSO3 Entrep.	PSO4 Tech SAVVY
CO – 1	1	1	--	1	--	1	1	1	2
CO – 2	1	1	--	1	--	1	1	1	2

BBA Fourth Semester

Name of Course: English

Course Outcome

CO 1: Students acquire sense of nobility and

CO 2: learn to organise given composition,

CO 3: Able to write different types of business letters and preparation of advertising copy.

Pos &PSOs COs	PO 1 Mgt. Know. & Skill	PO 2 Res & Rational	PO 3 COMM. & Relation	PO 4 ACC TAX	PO 5 Ethics & Values	PSO1 Job Compet.	PSO2 Higher Education	PSO3 Entrep.	PSO4 Tech SAVVY
CO – 1	1	-	1	-	1	1	2	1	-
CO – 2	1	-	1	-	1	1	2	1	-
CO -3	2	-	2	-	1	2	2	1	1

Course Name: Kannada

Course Out Comes :

CO1: Students will enrich their poetic, prose and essay writing skills.

CO 2: Students learn about Vachanas of Sharanaru of 12th century and Tatvapadas of Kannada.

CO 3: Students will come to know about Keerthanas of Purandar Das and Kanakdas Das.

Pos & PSOs COs	PO 1 Mgt. Know. & Skill	PO 2 Res & Rational	PO 3 COMM. & Relation	PO 4 ACC TAX	PO 5 Ethics & Values	PSO1 Job Compet.	PSO2 Higher Education	PSO3 Entrep.	PSO4 Tech SAVVY
CO – 1	2	1	2	---	1	2	2	2	1
CO – 2	1	1	1	--	1	1	1	1	1
CO – 3	1	--	--	--	2	1	1	1	--

Name of Course: Corporate Accounting - II

Course Outcome

CO – 1 Students will come to know about the concepts of amalgamation, types of amalgamation and closing entries & opening entries and also about preparation of balance sheet

CO – 2 Students will be familiarised with calculation of minority interest & preparation of consolidated balance sheet of holding company

CO – 3 Students to get knowledge about order of payments & able to prepare liquidators final statement

CO – 4 Students gain knowledge about functioning of bank & able to prepare P&L account & balance sheet of bank as per prescribed schedules.

Pos & PSOs COs	PO 1 Mgt. Know. & Skill	PO 2 Res & Rational	PO 3 COMM. & Relation	PO 4 ACC TAX	PO 5 Ethics & Values	PSO1 Job Compet.	PSO2 Higher Education	PSO3 Entrep.	PSO4 Tech SAVVY
CO – 1	1	-	1	2	1	1	2	1	-
CO – 2	1	-	1	2	1	1	2	1	-
CO – 3	1	1	1	2	1	1	2	1	-
CO – 4	1	-	-	2	1	1	2	1	-

Name of Course: Marketing Management

Course Outcome

CO – 1 Differentiate between Consumer and Business markets

CO – 2 Learn underlying theories related to purchase behaviour of consumers

CO – 3 Understand basic modern tools used in marketing

CO – 4 Learn importance of Integrated marketing Communication in present world

CO – 5 Understand Rural environment, challenges and role

Pos & PSOs COs	PO 1 Mgt. Know. & Skill	PO 2 Res & Rational	PO 3 COMM. & Relation	PO 4 ACC TAX	PO 5 Ethics & Values	PSO1 Job Compet.	PSO2 Higher Education	PSO3 Entrep.	PSO4 Tech SAVVY
CO – 1	2	2	1	-	2	1	1	2	-
CO – 2	2	2	1	-	1	2	1	1	-
CO – 3	2	1	2	-	1	1	1	1	2
CO – 4	1	1	2	-	2	2	2	2	2
CO – 5	2	1	2	1	-	2	1	2	-

Name of Course: Organizational Behaviour

Course Outcome

CO – 1 As administration students have to know about organizational behaviour at work different models of organization behaviour, individual behaviour & self concept.

CO-2 students will acquaint the knowledge about personality, dimensions of personality & theories of personality.

CO- 3 To know about attitude, formation of attitude and perception & methods of managing stress

CO – 4 Students will be known about the group dynamics, organizational Culture & organizational change.

Pos & PSOs COs	PO 1 Mgt. Know. & Skill	PO 2 Res & Rational	PO 3 COMM. & Relation	PO 4 ACC TAX	PO 5 Ethics & Values	PSO1 Job Compet.	PSO2 Higher Education	PSO3 Entrep.	PSO4 Tech SAVVY
CO – 1	2	1	2	-	1	1	2	1	-
CO – 2	2	1	2	-	2	2	2	1	-
CO – 3	2	1	1	-	1	2	2	1	-
CO – 4	1	1	1	-	1	1	1	1	-

Name of Course: Financial Management

Course Outcome

CO – 1 Students will be familiarised with basics FM concepts and profit & wealth maximisation.

CO – 2 Students will come to know about financial planning and causes, evils & remedies of over and under capitalisation

CO – 3 Students will come to know about cost of capital and their calculation skills of k_e , k_d , k_p and k_r

CO – 4 Students will be able to determine optimum capital structure and can make EBIT – EPS analysis and also calculate different types of leverages.

CO – 5 Students gain knowledge about different types dividend policies and theories

Pos & PSOs COs	PO 1 Mgt. Know. & Skill	PO 2 Res & Rational	PO 3 COMM. & Relation	PO 4 ACC TAX	PO 5 Ethics & Values	PSO1 Job Compet.	PSO2 Higher Education	PSO3 Entrep.	PSO4 Tech SAVVY
CO – 1	2	1	1	2	1	2	2	2	-
CO – 2	1	1	-	2	1	1	2	1	1
CO – 3	1	1	1	2	1	2	2	2	-
CO – 4	2	-	-	2	1	2	2	1	-
CO – 5	1	1	1	2	1	2	2	1	1

Name of Course: Operation Research

Course Outcome

CO 1: To understand the students in the area of applying mathematical and statistical tools for business decisions.

CO 2: To understand the students that how get more profit by using less products and time.

CO 3: To understand the students how to make more sales of the products by applying the strategies

Pos & PSOs COs	PO 1 Mgt. Know. & Skill	PO 2 Res & Rational	PO 3 COMM. & Relation	PO 4 ACC TAX	PO 5 Ethics & Values	PSO1 Job Compet.	PSO2 Higher Education	PSO3 Entrep.	PSO4 Tech SAVVY
CO – 1	1	1	-	-	1	2	2	3	-
CO – 2	2	2	1	-	2	2	2	2	1
CO – 3	2	2	2	1	1	1	1	2	1

Name of Course: Computer Application In Business

Course Outcome

CO 1: Student will understand the concept of database management system

CO 2: Student will gain the knowledge of Data base Creation and solving the data base Query.

CO 3: Student will understand the Computer Network and Internet.

CO 4: Student gain the knowledge of HTML Tag and Web Designing.

CO 5: Student will learn the Internet Banking

Pos & PSOs COs	PO 1 Mgt. Know. & Skill	PO 2 Res & Rational	PO 3 COMM. & Relation	PO 4 ACC TAX	PO 5 Ethics & Values	PSO1 Job Compet.	PSO2 Higher Education	PSO3 Entrep.	PSO4 Tech SAVVY
CO – 1	1	-	1	2	1	2	2	1	2
CO – 2	1	-	1	2	1	1	2	1	2
CO – 3	1	-	1	2	1	1	2	1	2
CO – 4	1	2	1	--	--	2	2	1	2
CO – 5	1	1	---	1	1	2	2	2	2

Name of Course: Computer application in Business Practical

Course Outcome:

CO 1: Students will learn and design the web pages using HTML

CO 2: Students will learn the basics of data base management system

Pos &PSOs COs	PO 1 Mgt. Know. & Skill	PO 2 Res & Rational	PO 3 COMM. & Relation	PO 4 ACC TAX	PO 5 Ethics & Values	PSO1 Job Compet.	PSO2 Higher Education	PSO3 Entrep.	PSO4 Tech SAVVY
CO – 1	1	--	--	--	--	1	1	1	2
CO – 2	1	--	--	1	--	1	1	1	2

BBA Fifth Semester

Name of Course: Market Research

Course Outcome

CO 1 - Define the basic concepts related to marketing research.

CO 2 - Understand the importance of Marketing research

CO 3 - List the marketing research process in details

CO 4 - Decide on best method for data collection

CO 5 - Understand how statistics is applied to research

Pos & PSOs COs	PO 1 Mgt. Know. & Skill	PO 2 Res & Rational	PO 3 COMM. & Relation	PO 4 ACC TAX	PO 5 Ethics & Values	PSO1 Job Compet.	PSO2 Higher Education	PSO3 Entrep.	PSO4 Tech SAVVY
CO – 1	2	3	2	-	2	3	3	2	1
CO – 2	2	2	3	-	1	2	2	3	-
CO – 3	2	3	2	-	2	3	2	3	1
CO – 4	3	3	2	-	2	3	3	3	1
CO – 5	2	2	1	-	2	3	2	3	1

Name of Course: Production & Operations management

Course Outcome

CO – 1 To make the students to understand the basic elements of production & operations in an organization

CO – 2 Managing & planning of production, Facility, Location & layout for production organization of physical facilities.

CO – 3 To understand Production planning and control, scheduling sequencing of jobs & aggregate planning and capacity planning at production unit.

CO – 4 To understand the importance of productivity & managing the quality of production & TQM.

Pos & PSOs COs	PO 1 Mgt. Know. & Skill	PO 2 Res & Rational	PO 3 COMM. & Relation	PO 4 ACC TAX	PO 5 Ethics & Values	PSO1 Job Compet.	PSO2 Higher Education	PSO3 Entrep.	PSO4 Tech SAVVY
CO – 1	3	1	2	-	2	2	2	3	-
CO – 2	3	1	2	-	3	3	2	3	-
CO – 3	3	1	2	-	2	2	3	3	-
CO – 4	2	-	2	-	1	2	2	2	-

Name of Course: Business Law**Course Outcome**

On completion of the course, learner will be able to:

CO 1 - Acquire basic legal terminologies of Business environment

CO 2 - Understand requirements to create a legal contract

CO 3 - Learn Laws enacted to protect consumers, packaging and Information act

CO 4 - Understand Special contacts - Bailment, Indemnity, Pledge, Guarantee etc..

Pos & PSOs COs	PO 1 Mgt. Know. & Skill	PO 2 Res & Rational	PO 3 COMM. & Relation	PO 4 ACC TAX	PO 5 Ethics & Values	PSO1 Job Compet.	PSO2 Higher Education	PSO3 Entrep.	PSO4 Tech SAVVY
CO – 1	1	-	1	2	1	1	2	1	-
CO – 2	1	1	1	2	1	1	2	1	-
CO – 3	1	1	1	2	1	2	2	1	-
CO – 4	1	1	1	2	1	1	2	1	-

Name of Course: Event Management**Course Outcome**

CO – 1 To help the students to understand event management as one of the new opportunities in business scenario.

CO – 2 To know about event , Key elements of an events & event design,

CO – 3 To understand event planning, event market, segmentation & targeting, positioning of an event market and concept of event product.

CO – 4 Event pricing, event promotion, event performance & how to evaluate event performance so they can easily use the required strategies through insights.

Pos & PSOs COs	PO 1 Mgt. Know. & Skill	PO 2 Res & Rational	PO 3 COMM. & Relation	PO 4 ACC TAX	PO 5 Ethics & Values	PSO1 Job Compet.	PSO2 Higher Education	PSO3 Entrep.	PSO4 Tech SAVVY
CO – 1	2	1	1	1	1	1	1	1	-
CO – 2	1	1	1	-	1	1	1	1	1
CO – 3	1	1	1	1	1	1	1	1	1
CO – 4	1	-	1	-	1	1	2	1	-

Name of Course: Working Capital Management

Course Outcome

CO – 1 Students acquaint knowledge about concept, types, sources, importance of working capital & they will be able to estimate the working capital requirements.

CO – 2 Students will be given basic awareness about cash budget, liquidity & receivable.

CO – 3 They also get knowledge about inventory management techniques like EOQ, stock levels, ABC analysis & many more.

CO – 4 Students will identify the different sources of working capital and different approaches of financing working capital.

Pos & PSOs COs	PO 1 Mgt. Know. & Skill	PO 2 Res & Rational	PO 3 COMM. & Relation	PO 4 ACC TAX	PO 5 Ethics & Values	PSO1 Job Compet.	PSO2 Higher Education	PSO3 Entrep.	PSO4 Tech SAVVY
CO – 1	1	-	1	-	1	1	2	1	-
CO – 2	1	-	1	-	1	1	2	1	-
CO – 3	1	-	1	-	1	1	1	2	-
CO – 4	1	-	1	-	1	1	2	1	-

BBA Sixth Semester

Name of Course: Services Marketing

Course Outcome

CO 1 – Students will know about differentiate between Goods and Services

CO 2 – Students will understand importance of services to Indian Economy

CO 3 – Students to get knowledge about analyse elements of Service marketing

CO 4 – Students will know how to measuring Service quality?

Pos & PSOs COs	PO 1 Mgt. Know. & Skill	PO 2 Res & Rational	PO 3 COMM. & Relation	PO 4 ACC TAX	PO 5 Ethics & Values	PSO1 Job Compet.	PSO2 Higher Education	PSO3 Entrep.	PSO4 Tech SAVVY
CO – 1	2	-	2	-	1	1	1	1	-
CO – 2	1	1	2	-	1	1	1	1	1
CO – 3	2	1	2	1	1	1	1	1	-
CO – 4	1	1	1	1	1	2	1	1	1

Name of Course: Company Law & Secretarial Practices

Course Outcome

CO – 1 On completion of the course, learner will be able to Understand procedure to start a company and types of companies prevailing in market

CO – 2 Differentiate between Public and Private companies

CO – 3 Understand complete job profile of a company Secretary

CO – 4 Understand various levels of management hierarchy

CO – 5 Understand various types and procedures related to company meetings

Pos & PSOs COs	PO 1 Mgt. Know. & Skill	PO 2 Res & Rational	PO 3 COMM. & Relation	PO 4 ACC TAX	PO 5 Ethics & Values	PSO1 Job Compet.	PSO2 Higher Education	PSO3 Entrep.	PSO4 Tech SAVVY
CO – 1	2	-	2	-	1	2	1	1	1
CO – 2	2	1	1	1	1	2	2	1	1
CO – 3	1	-	2	-	1	1	2	1	1
CO – 4	2	-	2	-	-	2	2	1	1
CO – 5	2	-	2	-	-	1	1	1	1

Name of Course: Tourism & Hospitality Management

Course Outcome

CO 1: Students will have knowledge & skills about concept of tourism & hospitality, components of tourism & tourism organization.

CO 2: To understand the tour planning , tour package & pricing of tourism

CO 3: Management of tourism & tourism infrastructure tourism products.

CO 4: To know about hospitality industry `& opportunities in hospitality industry

CO 5: Students will have knowledge about Travel, hotel & transport with respect to present era to tackle the competition in tourism industry with practical examples.

Pos &PSO s COs	PO 1 Mgt. Know. & Skill	PO 2 Res & Rational	PO 3 COMM. & Relation	PO 4 ACC TAX	PO 5 Ethics & Values	PSO1 Job Compet .	PSO2 Higher Educati on	PSO3 Entrep.	PSO4 Tech SAVV Y
CO – 1	2	1	2	-	2	3	3	3	-
CO – 2	2	1	2	-	1	2	3	3	-
CO – 3	3	1	2	-	2	3	3	3	-
CO – 4	3	1	2	-	2	3	3	2	-
CO – 5	3	2	3	-	1	2	3	3	-

Name of Course: International Business Management

Course Outcome

CO 1: Students to understand the International business & trade, Forex market & Exchange control.

CO 2: To understand the procedure, documentation & promotion of import export of goods.

CO 3: To have the knowledge about EXIM policy, Export incentives, Export Promotion Councils , WTO & Trade Block.

Pos &PSOs COs	PO 1 Mgt. Know. & Skill	PO 2 Res & Rational	PO 3 COMM. & Relation	PO 4 ACC TAX	PO 5 Ethics & Values	PSO1 Job Compet.	PSO2 Higher Education	PSO3 Entrep.	PSO4 Tech SAVVY
CO – 1	2	-	2	-	1	2	1	1	1
CO – 2	2	1	1	1	1	2	2	1	1
CO – 3	1	-	2	-	1	1	2	1	1

Name of Course: Investment Decisions & Project Management

Course Outcome

CO-1 Students will understand about capital investments and their importance & difficulties. They also familiarised with phases of capital budgeting and facets of Project analysis.

CO-2 They will have better knowledge about Market analysis, Financial analysis, Technical analysis, Corporate appraisal etc.

CO-3 They will understand the different appraisal techniques of Project like Pay back Period, N.P.V., I.R.R., A.R.R., and Profitability Index.

CO-4 Students get knowledge about Forms of Project organisation, project planning and control.

CO-5 Students will come to know about Human aspects and prerequisites for successful project implementation.

Pos &PSOs COs	PO 1 Mgt. Know. & Skill	PO 2 Res & Rational	PO 3 COMM. & Relation	PO 4 ACC TAX	PO 5 Ethics & Values	PSO1 Job Compet.	PSO2 Higher Education	PSO3 Entrep.	PSO4 Tech SAVVY
CO – 1	1	1	1	2	1	1	2	1	-
CO – 2	1	1	1	2	1	2	2	1	-
CO – 3	1	-	1	2	1	2	2	1	-
CO – 4	1	1	1	1	2	1	2	2	1
CO – 5	1	1	1	1	2	1	2	2	1

BCA POs and PSOs

Program Outcomes

1. Pursue higher studies in the area of Computer Science/Applications.
2. Work in the IT sector as system engineer, software tester, junior programmer, web developer, system administrator, software developer etc.
3. Take up self-employment in Indian & global software market.
4. Gain exposure in solving interpersonal, social issues, preventive, ethical hacking, and forensic security technologies.
5. Continue the process of life-long learning through professional activities; adapt themselves with ease to new technologies

Program specific outcomes

1. Understand, analyse and develop computer programs in the areas related to algorithm, web design and networking for efficient design of computer based system.
2. Apply standard software engineering practices and strategies in software project development using open source programming environment to deliver a quality of product for business success.
3. Students to have a wide perspective on software development including web based applications as well as mobile applications
4. Students will be able to identify and describe the communication networks technologies in local area networks and the Internet and countermeasures for security threats.
5. Students to have knowledge and expertise in at least one procedure-oriented and object-oriented programming language and will be able to design and analyse algorithms as per need by relating the data structure and algorithms.

BCA I Sem

C PROGRAMMING

- Students are encouraged to learn basics of programming skills
- Students shall gain a familiarity with working in programming environment
- Students learn logics, problem solving techniques using programs
- Students can develop simple programs using basics of C

Attainment of C Programming

Pos & PSOs Cos	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5
CO-1	3	3	3	2	3	3	3	2	1	3
CO-2	3	3	3	1	3	3	3	3	2	2
CO-3	3	3	3	2	3	3	3	3	2	3
CO-4	3	3	3	2	3	3	3	3	2	3

Computer Fundamental

- Able to Understand Basic Concept of Computer
- Students are encouraged to learn about Different input and output Units
- Students are encouraged to learn about internal Structure of processor and types
- Students learn basics of number System, their types and Conversion Able to understand basic of Linux operating system

Attainment of Computer Fundamental

Pos & PSOs Cos	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5
CO-1	1	1	1	-	2	-	1	-	-	-
CO-2	1	1	1	-	2	-	1	-	-	-
CO-3	2	2	1	-	2	-	2	1	-	-
CO-4	1	1	-	2	2	2	-	-	2	-
CO-5	2	3	3	2	2	1	2	2	1	2

BCA II Sem

DATA STRUCTURES USING C

- Students will learn memory allocation of data elements
- Students are encouraged to learn File systems
- Students are encouraged to learn Searching and Sorting techniques
- Students will learn organisation of the data elements using stack, queue, linked list, etc

Pos & PSOs	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5
Cos										
CO-1	3	3	2	2	3	3	2	2	1	2
CO-2	3	3	2	2	2	3	2	2	2	3
CO-3	3	3	1	2	3	3	1	2	2	1
CO-4	3	3	2	1	3	3	2	2	2	3

Digital Logic and Computer Design

- Students are encouraged to learn Digital Systems
- Students are encouraged to learn basics of Boolean Algebra
- Students are encouraged to learn Logic Circuits
- Students are encouraged to learn Memory and Programmable logics

Pos & PSOs	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5
Cos										
CO-1	3	3	-	2	2	1	-	-	1	-
CO-2	3	2	-	-	2	-	-	-	-	-
CO-3	3	3	-	-	2	-	-	-	-	-
CO-4	3	2	1	1	1	2	1	2	2	-

BCA III Sem

OPERATING SYSTEM PRINCIPLES

- To understand the types of Operating system, services of OS and different operating system structures.
- To study process management and CPU scheduling algorithms.
- To study various issues in inter-process communication and OS role in IPC, understand the deadlock prevention and avoidance.
- To understand the concepts of memory management and virtual memory policies and solve problems using page replacement algorithms.
- To study the I/O management by OS, disk scheduling, file management and file operations and directory implementation.

Attainment of Operating System Principles

Pos & PSOs Cos	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5
CO-1	3	2	2	2	1	1	1	2	3	1
CO-2	3	3	2	3	3	3	2	2	3	1
CO-3	3	2	3	3	3	3	2	2	3	2
CO-4	3	3	3	3	3	3	2	3	3	2
CO-5	3	3	2	2	3	2	2	3	3	1

Object oriented Programming with Java

- Importance of Object Oriented Programming
- Able to create Java Graphical Programs using Java applet programming
- Able to design multi-threaded programs
- Ability to build files input and output in an object oriented way

Attainment of Object oriented programming using Java

Pos & PSOs Cos	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5
CO-1	3	3	2	2	3	3	3	3	1	3
CO-2	3	3	2	1	3	2	2	2	2	3
CO-3	2	2	3	2	3	2	3	3	3	3
CO-4	3	3	2	3	3	3	3	3	3	3

Data Communication and Networking

- Students will learn about Data Communication and Networking Concept
- Students will learn the Types of Networks , Topology, OSI Reference Layer and TCP/IP Protocol
- Students will learn about the Digital Transmission and Transmission System
- Students will learn about the Local Area Network and MAC Layer

Attainment of Data Communication and Networking

Pos & PSOs	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5
Cos										
CO-1	3	2	1	--	1	3	1	1	3	1
CO-2	3	2	2	-	2	1	1	2	3	2
CO-3	3	2	2	-	1	2	2	2	3	2
CO-4	3	2	2	-	2	2	2	2	3	2

Advanced JAVA

- Students will learn about basics windows events
- Students will learn the swing components
- Students will learn about the basics of java programming and database(JDBC)
- Students will learn about the basics of Servlets and network related concepts

Attainment of Advanced Java

Pos&PSOs	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5
Cos										
CO-1	3	2	2	-	3	2	3	2	3	1
CO-2	2	1	2	-	2	1	2	1	1	1
CO-3	2	2	2	-	3	2	1	2	1	3
CO-4	3	3	2	-	2	3	2	2	1	2

Advanced Computer Network and Security

- Students will learn about basics Network Type and Connections
- Students will learn the network Layer
- Students will learn about the basics Transport Layer and Application Layer
- Students will learn about the basics of Network Management

Attainment of Advanced Computer Network and Security

Pos&PSOs	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5
Cos										
CO-1	3	2	1	1	1	3	1	1	3	2
CO-2	3	2	2	1	2	1	1	2	3	2
CO-3	3	2	2	2	1	2	2	2	3	2
CO-4	2	2	2	3	2	2	2	2	3	3

BCA V Sem

SOFTWARE PROGRAMMING AND TESTING

- To study the principles of software testing, SDLC model, including software testing objectives, process, criteria, strategies, and methods.
- To discuss various software testing issues in the software and identify solutions using unit test, integration, black box and white box, regression and system test.
- Students learn how to plan a test project, conduct testing operations and design test cases, manage defects in the software, and generate a test case report.
- To understand the common people issues, apply software testing skills and technique of software tools and methodology to solve client project issues.
- Software testing provides career path for the test professional.

Attainment of SOFTWARE PROGRAMMING AND TESTING

Pos & PSOs Cos	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5
CO-1	2	3	2	2	3	2	3	3	2	-
CO-2	3	3	3	3	3	3	3	3	2	-
CO-3	2	3	2	2	2	1	3	3	1	-
CO-4	2	3	1	2	2	2	2	2	1	-
CO-5	2	3	2	2	2	2	2	2	1	-

Programming with Python

- Able to know various data structures such as lists, tuples, dictionaries and strings
- Able to know python Tkinter module to create GUI applications
- Able to know various object oriented programming skills using python
- Able to know connecting to databases and inserting data and updating the database

Attainment of Programming With Python

Pos & PSOs Cos	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5
CO-1	3	3	3	2	3	3	3	3	1	3
CO-2	3	3	3	2	3	2	3	2	2	3
CO-3	2	2	2	2	3	1	2	3	3	3
CO-4	3	3	2	3	3	3	2	2	3	3

CYBER SECURITY

- Students learn basics of cybercrime terminologies
- Students are encouraged to learn about Indian cybercrime acts
- Students are encouraged to learn different cybercrime activities
- Students are encouraged to learn background, need of cyber forensics

Attainment of Cyber Security

Pos & PSOs	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5
Cos										
CO-1	3	3	3	3	3	3	2	2	3	1
CO-2	3	3	3	3	3	1	1	1	2	1
CO-3	3	3	3	3	3	2	1	3	3	2
CO-4	3	3	3	3	3	3	2	2	2	2

SOFTWARE ENGINEERING

To understand the Concept of software engineering

To understand the difference software development process models

To understand the Software Requirement

To understand the CMMI Concept

Able to Software understand Architectural Model

To understand the Testing Strategies

Attainment of Software Engineering

Pos & PSOs	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5
Cos										
CO-1	3	3	3	3	3	3	3	3	2	2
CO-2	3	3	2	2	3	3	3	3	2	3
CO-3	3	3	3	3	3	3	3	3	2	2
CO-4	3	3	2	3	3	3	3	3	2	3

.NET Framework using C#

- Students will learn the basics of .Net framework and Create, compile and run object-oriented C# programs using Visual Studio
- Students will learn about the basic concepts of OOP's and C# Tokens
- Students will learn about inheritance and working with collections
- Create, compile and deployment the windows form applications and windows services

Attainment of .NET Framework using C#

Pos & PSOs	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5
Cos										
CO-1	3	3	3	1	3	3	3	3	1	2
CO-2	2	3	3	2	3	3	3	3	2	1
CO-3	3	2	2	2	2	2	2	2	2	1
CO-4	2	2	2	2	3	2	3	2	1	2

BCA VI SEM

Cloud Computing

- To understand the meaning of cloud computing, types of cloud computing models, advantages over on premise solutions
- To know the client types associated with cloud computing approach
- Able to know software as a Service model(SAAS), Industry products available to implement SAAS model
- Able to understand the migrating the existing solutions to cloud and various Business solutions like Google cloud, Amazon AWS, Microsoft Azure

Attainment of Cloud Computing

Pos & PSOs	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5
Cos										
CO-1	3	3	3	3	3	2	1	3	3	1
CO-2	3	3	3	2	3	2	3	2	2	3
CO-3	2	2	2	2	3	1	2	3	3	3
CO-4	3	3	2	3	3	3	3	2	3	2

BUSINESS INTELLIGENCE

- Students learn business view of information technology application
- Students learn different BI Applications
- Students learn BI concepts
- Students learn basics of enterprise reporting

Attainment of Business Intelligence

Pos & PSOs	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5
Cos										
CO-1	3	3	3	3	3	2	2	3	3	2
CO-2	3	3	3	2	3	2	3	2	2	3
CO-3	2	2	3	2	3	2	2	3	3	3
CO-4	3	3	3	3	3	3	3	2	3	2

Web designing and Programming

- Students will learn about basics of web(WWW)
- Students will learn the basics of HTML and CSS
- Students will learn about the basics of Javascript and HTML
- Students will learn about the basics of PHP and MySQL

Attainment of Web designing and Programming

Pos & PSOs Cos	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5
CO-1	2	2	2	-	2	2	3	2	3	1
CO-2	3	2	2	-	2	2	2	2	1	1
CO-3	2	2	2	-	3	2	2	2	1	2
CO-4	3	3	3	-	2	2	2	2	2	2

BLDEA's
Commerce, B.H.S Arts and T.G.P Science College, Jamkhandi-587301
Post Graduate Department of Political Science

Name of Program: M. A. in Political Science

1st and 2nd Semester-2020-2021

POs, PSOs, COs and Attainment Mapping.

Program outcomes (POS):

- 1) Competence to enhance innovative approach of the student towards professions in political science.
- 2) Competence to manage Political Institutions for human development with rational choice perspective.
- 3) Ability to develop leadership with public vision.
- 4) Ability to develop inclusive understanding of representation.

Program Specific Outcomes (PSO):

On successful completion of the Master in Political Science (MA) program, the student will be able to:

- 1) Improve theoretical understanding and knowledge base in political sphere.
- 2) Increase participation in local, state, national and international political Activities.
- 3) Emerge as a successful political practitioner, surveyor and political analyst, Become consultant to regional and national political parties and government sectors.
- 4) Become a responsible citizen well informed in fundamental rights and obligations as well.
- 5) Become a Research Scholar, to get PhD Degree, to successfully face the Competitive examinations.

MA Political Science Course outcome for Semester and Paper Wise

1st Semester

Course Paper HC I Outcomes

HC-1 -CLASSICAL WESTERN POLITICAL THOUGHT.

- 1) This paper provides an understanding of universality and conceptuality of key political concept given by the western political thinkers.
- 2) This course deals with the classical thinkers and their contribution to western Political philosophy.
- 3) The paper proposes familiarization of with students the major differences between arias western political thinkers, their texts both from philosophical and historical perspective.

Attainment Mapping

PO&PSO CO	PO1 BKPS	PO2 PIM	PO3 LQ	PO4 HD	PSO1 BC	PSO2 SPA	PSO3 ECD	PSO4 SR	PSO5 HE&CE
CO1	2	-	2	2	2	-	-	1	2
CO2	2	-	1	-	2	-	-	1	1
CO3	2	-	1	-	2	-	-	1	1

Course Paper II Outcomes

HC-II- ANCIENT INDIAN POLITICAL THOUGHT

- 1) This paper gives India's ancient wisdom has given to the world not only knowledge but wisdom that is fundamental to life of any society.
- 2) This paper has helped to enrich the quality of governance and guided those wielding/control the power of the state. The sciences of polity, known by several names are systematic.
- 3) This paper is important that this is knowledge be passed onto the posterity and hence the paper for the younger generation students.
- 4) Able to understand hidden knowledge of ancient India for the benefit of the humanity.

Attainment Mapping

PO&PSO CO	PO1 BKPS	PO2 PIM	PO3 LQ	PO4 HD	PSO1 BC	PSO2 SPA	PSO3 ECD	PSO4 SR	PSO5 HE&CE
CO1	1	1	-	1	2	-	-	1	1
CO2	1	1	2	2	2	-	1	1	1
CO3	2	-	1	1	1	-	1	1	1
CO4	2	-	1	1	1	-	-	1	1

Course Paper III Outcomes

HC-III -DYNAMICS OF INDIAN POLITICS

- 1) This paper shows India as a largest democracy has adopted parliamentary system of government. As a nation with colonial history, India presents story of success.
- 2) The democratic experiment in India presents its evolution.
- 3) This critical component needs and analysis to understand its politics. As a plural and diverse country the current Indian political scenario presents a fiercely contending force this paper is aimed at giving that critical input to reflect upon some of the major developments in the contemporary Indian politics.

Attainment Mapping

PO&PSO CO	PO1 BKPS	PO2 PIM	PO3 LQ	PO4 HD	PSO1 BC	PSO2 SPA	PSO3 ECD	PSO4 SR	PSO5 HE&CE
CO1	1	1	1	1	1	1	1	1	2
CO2	1	-	1	1	1	-	1	1	2
CO3	-	-	1	1	1	1	-	1	1

Course Paper IV Outcomes

HC-IV -PUBLIC ADMINISTRATION AN INTRODUCTION

- 1) The subject of Public Administration is an inherent part of political science. Studying the fundamentals of public administration helps the students to improve their understanding of the state and its style of governance.

- 2) The course aims at discussing the basic principles and theories of public administration.
- 3) Besides, this course and enlightens the students on the distinction between public and private administration, trends in structural and accountability facets in the era of globalization.
- 4) The course will also attempt to provide the student some practical hands-on understanding and contemporary administration and policy concerns.

Attainment Mapping

PO&PSO CO	PO1 BKPS	PO2 PIM	PO3 LQ	PO4 HD	PSO1 BC	PSO2 SPA	PSO3 ECD	PSO4 SR	PSO5 HE&CE
CO1	2	1	1	2	1	-	1	1	2
CO2	2	-	-	1	1	-	-	1	1
CO3	1	-	1	1	1	-	-	1	1
CO4	1	-	1	1	1	-	-	1	1

Course Paper V Outcomes

HC-V – INTERNATIONAL RELATIONS

- 1) This paper deals with the changing nature of international relations.
- 2) This course introduced important issues in international relations including constructivism and green politics.
- 3) The goal of the course is to teach students Basic concept and theories that are useful and our contemporary debates.
- 4) The paper concentrates on current events and the recent history that has saved the international relations major topics include International cooperation's, security, conflict and human rights.

Attainment Mapping

PO&PSO CO	PO1 BKPS	PO2 PIM	PO3 LQ	PO4 HD	PSO1 BC	PSO2 SPA	PSO3 ECD	PSO4 SR	PSO5 HE&CE
CO1	1	1	-	2	1	1	-	-	1
CO2	1	1	1	2	1	1	-	-	1

CO3	2	-	-	1	2	-	-	-	1
CO4	1	1	-	1	2	1	-	2	2

Course Paper VI- Outcomes

SC-VI-A - INDIAN FREEDOM MOVEMENT

- 1) This paper is designed to give the younger generation of student the significance of the history of national movement and the importance of nationalism and sacrifices made by freedom fighters.
- 2) Indian National Movement was an organized mass movement affected by colonial excesses.
- 3) The importance of the Indian National Movement lies in the fact that it is the only available historical example here and traditional social group got motivated by an urge to free themselves from the colonial exploitation.

Attainment Mapping

PO&PSO CO	PO1 BKPS	PO2 PIM	PO3 LQ	PO4 HD	PSO1 BC	PSO2 SPA	PSO3 ECD	PSO4 SR	PSO5 HE&CE
CO1	2	-	2	2	2	-	2	1	2
CO2	-	-	1	-	-	1	-	1	1
CO3	-	-	1	1	-	1	-	1	1

SEMESTER 2

Course Paper 1

HC VII- MEDIEVAL WESTERN POLITICAL THOUGHT

- 1) This paper throws light on the medieval philosophy that was produced in western Europe during the middle ages although there is no consensus, even among medievalists, as to its period in exactness that also many compacting ideas that have grown during this period.
- 2) This period needs attention especially in the discipline of political science because of this. The political philosophy during this period is more in the form of philosophy that is concerned with political matters.

- 3) This paper shows philosophical writing about politics during the middle ages was often seen as influencing the public events even in the modern period and significance of the paper on the students.

Attainment Mapping

PO&PSO CO	PO1 BKPS	PO2 PIM	PO3 LQ	PO4 HD	PSO1 BC	PSO2 SPA	PSO3 ECD	PSO4 SR	PSO5 HE&CE
CO1	1	-	-	1	1	-	-	-	1
CO2	1	-	-	1	1	-	-	-	1
CO3	-	-	-	1	-	-	-	1	-

Course Paper II

HC-VIII- MEDIEVAL INDIAN POLITICAL THOUGHT

- 1) Medieval India presents to the students a unique and baffling spectacle of people's power and the influence of the extraneous forces that invaded India.
- 2) It is an age characterized by decay and breakaway from the old traditions to give birth to newer ones.

Attainment Mapping

PO&PSO CO	PO1 BKPS	PO2 PIM	PO3 LQ	PO4 HD	PSO1 BC	PSO2 SPA	PSO3 ECD	PSO4 SR	PSO5 HE&CE
CO1	1	-	-	1	1	-	-	1	1
CO2	1	-	-	1	1	-	-	-	-

Course Paper III

HC-IX –ELECTORAL PROCESS IN INDIA

- 1) Students will gain in depth knowledge about elections. Electoral process is a huge exercise that involves man material and strategies it is a process that consists of the selection of the electors,
- 2) Students know the meeting of the electors where they vote for position contested by those interested in politics.
- 3) Elections thus provide political education for students and ensure the

responsiveness of Democratic governments to the will of the people and legitimize those elected.

- 4) This process in India is unique in itself. This paper exposes the students to work out these elections and learn about their own country.

Attainment Mapping

PO&PSO CO	PO1 BKPS	PO2 PIM	PO3 LQ	PO4 HD	PSO1 BC	PSO2 SPA	PSO3 ECD	PSO4 SR	PSO5 HE&CE
CO1	2	1	1	1	1	1	-	-	1
CO2	1	-	1	1	1	-	-	-	1
CO3	1	-	1	1	1	-	-	-	1
CO4	1	-	-	-	1	-	-	1	1

Course Paper IV

HC-X- THEORIES OF INTERNATIONAL RELATIONS

- 1) The study of international relations involves theoretical approaches based on evidence of the behavior of the state in an international Arena.
- 2) Theories of international relations are essentially a set of ideas aimed at explaining how the International system works such as realism that focus on the nation that States work to increase their own power relative to other states.
- 3) Understanding these major theories and approaches to the study of international politics and examining them critically thus helps the students to broaden and deepen their knowledge with regard to the demand for peace and conflict in the world.

Attainment Mapping

PO&PSO CO	PO1 BKPS	PO2 PIM	PO3 LQ	PO4 HD	PSO1 BC	PSO2 SPA	PSO3 ECD	PSO4 SR	PSO5 HE&CE
CO1	2	-	-	1	1	-	-	1	1
CO2	1	-	1	1	1	1	-	1	1
CO3	1	1	1	1	1	1	1	1	2

Course Paper V

HC-XI -HUMAN RIGHTS THEORY AND PRACTICE

- 1) This paper presents a rigorous and Critical introduction to the foundation, structure and operation of the human rights movement.
- 2) It introduces students to the key theoretical debates of both western and Indian origin.
- 3) It covers the historical context and the modern India idea of Human Rights including the debate between Universality and cultural relativism, between civil and human rights, between individual and community, drawing on real life examples from current affairs.
- 4) The course is expected to give an insight into the policy issues connected to human rights and their operational procedures.

Attainment Mapping

PO&PSO CO	PO1 BKPS	PO2 PIM	PO3 LQ	PO4 HD	PSO1 BC	PSO2 SPA	PSO3 ECD	PSO4 SR	PSO5 HE&CE
CO1	1	-	-	1	1	-	-	1	1
CO2	1	-	1	1	1	1	-	1	1
CO3	1	-	1	1	1	-	-	1	1
CO4	1	-	-	1	1	-	-	-	1

Course Paper VI-A

SC-XII-A- MAKING OF THE CONSTITUTION OF INDIA

- 1) This paper aim of introducing is to facilitate students to the present generation to understand how the task facilitating appropriate transfer of sovereign power from British authorities to Indian hands actually took place and how these activities were supported by various laws and the intellectual inputs.
- 2) The paper also exposes the younger generation to the shine how the operational representation from existing provincial legislatures and from various princely states was realized to reach out to build a consensus to design a workable federal structure.

- 3) This paper shows the constitution of India was not prepared in hurry but followed the process of evolution which begins many decades before India become independent in 1947.

Attainment Mapping

PO&PSO CO	PO1 BKPS	PO2 PIM	PO3 LQ	PO4 HD	PSO1 BC	PSO2 SPA	PSO3 ECD	PSO4 SR	PSO5 HE&CE
CO1	1	-	1	2	2	1	-	1	2
CO2	1	1	1	1	1	1	-	1	1
CO3	1	1	1	1	1	-	-	1	1

Course Paper-01

HC.101. Ancient and Medieval Western Political Thought

1. Students will be able to know about the ancient and medieval western thinkers and themes of western political philosophy.
2. This paper attempts to understand thinkers and texts both from philosophical and historical perspective.
3. Students will be able to understand the medieval philosophy that was produced in Western Europe during the middle ages.
4. Students will be able to learn about the growth of state and the ideologies.

Attainment Mapping

PO&PSO CO	PO1 BKPS	PO2 PIM	PO3 LQ	PO4 HD	PSO1 BC	PSO2 SPA	PSO3 ECD	PSO4 SR	PSO5 HE&CE
CO1	2	-	1	1	2	1	-	1	1
CO2	1	-	1	1	2	3	-	1	1
CO3	1	-	1	1	2	1	-	1	1
CO4	2	-	1	2	2	2	-	1	1

Course Paper -02

HC. 102. Indian Political System.

1. Students are able to understand about India's Political System.
2. Students are familiarized about the structures of power, the nature of state power and the manner in which it is distributed between the Centre-State and Urban and Rural Local bodies.
3. The students are exposed to the judicial process particularly the way in which it seeks to protect the Constitution from legislative and executive encroachments and the resultant tension between these institutions.

Attainment Mapping

PO&PSO CO	PO1 BKPS	PO2 PIM	PO3 LQ	PO4 HD	PSO1 BC	PSO2 SPA	PSO3 ECD	PSO4 SR	PSO5 HE&CE
CO1	3	1	1	1	2	1	-	2	1
CO2	2	1	1	1	2	2	-	2	1
CO3	2	1	2	2	2	2	1	3	1

Course Paper -03

HC103. Theories of Public Administration.

1. Students are able understand major research dealing with in public administration so as to make them understand some of the important and best works in the field.
2. Students get encouraged to develop their own research interests and skills, promoting knowledge, which is concerned with the development, testing, and application of theory.

Attainment Mapping

PO&PSO CO	PO1 BKPS	PO2 PIM	PO3 LQ	PO4 HD	PSO1 BC	PSO2 SPA	PSO3 ECD	PSO4 SR	PSO5 HE&CE
CO1	3	1	2	1	2	1	1	2	2
CO2	1	-	-	1	2	1	1	1	1

Course Paper -04

HC.104. Theory and Practice of International Relations

1. The study of international relations involves theoretical approaches based on evidence of the behavior of the state in an international Arena.
2. Theories of international relations are essentially a set of ideas aimed at explaining how the International system works such as realism that focus on the nation that States work to increase their own power relative to other states.
3. Understanding these major theories and approaches to the study of international politics and examining them critically thus helps the students to broaden and deepen their knowledge with regard to the demand for peace and conflict in the world.

Attainment Mapping

PO&PSO CO	PO1 BKPS	PO2 PIM	PO3 LQ	PO4 HD	PSO1 BC	PSO2 SPA	PSO3 ECD	PSO4 SR	PSO5 HE&CE
CO1	2	-	-	1	1	-	-	1	1
CO2	1	-	1	1	2	1	-	1	1
CO3	1	1	1	1	1	1	1	1	2

Course Paper -05

HC.105. Public Policy.

1. Apply social science methods and policy analysis to practical problems of government, communities, and regions.
2. Demonstrate the ability to apply oral and written communication skills in public appearances.
3. Develop critical thinking about public policy issues and the ability to conduct professional analyses of social, political, and economic structures and bureaucratic processes.

Attainment Mapping

PO&PSO CO	PO1 BKPS	PO2 PIM	PO3 LQ	PO4 HD	PSO1 BC	PSO2 SPA	PSO3 ECD	PSO4 SR	PSO5 HE&CE
CO1	1	-	1	2	1	2	-	2	2
CO2	-	1	3	2	1	1	-	1	1
CO3	1	1	1	2	1	1	-	1	1

Course Paper -06

HC.106 –A- Indian National Movement

- 1) This paper is designed to give the younger generation of student the significance of the history of national movement and the importance of nationalism and sacrifices made by freedom fighters.
- 2) Indian National Movement was an organized mass movement affected by colonial excesses.
- 3) The importance of the Indian National Movement lies in the fact that it is the only available historical example here and traditional social group got motivated by an urge to free themselves from the colonial exploitation.

Attainment Mapping

PO&PSO CO	PO1 BKPS	PO2 PIM	PO3 LQ	PO4 HD	PSO1 BC	PSO2 SPA	PSO3 ECD	PSO4 SR	PSO5 HE&CE
CO1	2	-	2	2	2	-	2	1	2
CO2	-	-	1	-	-	1	-	1	1
CO3	-	-	1	1	-	1	-	1	1

Semester-II

Course Paper -01

H.C 201 Modern Western Political Thought

1. Help students to develop a critical skill to analyze an occurrence with its complete understanding of theoretical knowledge in their discipline.
2. This paper will devote to the close reading of texts by thinkers associated with political theorists and thus help students to develop a critical skill to analyze an occurrence with its complete understanding.

Attainment Mapping

PO&PSO CO	PO1 BKPS	PO2 PIM	PO3 LQ	PO4 HD	PSO1 BC	PSO2 SPA	PSO3 ECD	PSO4 SR	PSO5 HE&CE
CO1	3	-	1	1	3	1	-	1	2
CO2	2	-	1	2	3	1	-	1	2

Course Paper -02

H.C 202 Political Processes in India

1. This will sharpen the students' critical intellect and their ability to unravel the mysteries of the call for good governance and the limitations of the existing governments and its other political institutions.
2. Students understand Political Process and Politics, Political Representation, Major political challenges.

Attainment Mapping

PO&PSO CO	PO1 BKPS	PO2 PIM	PO3 LQ	PO4 HD	PSO1 BC	PSO2 SPA	PSO3 ECD	PSO4 SR	PSO5 HE&CE
CO1	1	1	1	2	2	1	1	1	2
CO2	2	1	2	3	3	1	1	1	2

Course Paper-03

HC-203 Major Issues in International Relations.

1. It helps students to analyze and understand the major themes in international relations and global politics.
2. Students get improved in critical thinking and writing skills and able to describe the social, political, and economic forces that influence social behavior and the global system.

Attainment Mapping

PO&PSO CO	PO1 BKPS	PO2 PIM	PO3 LQ	PO4 HD	PSO1 BC	PSO2 SPA	PSO3 ECD	PSO4 SR	PSO5 HE&CE
CO1	2	-	1	1	2	1	-	1	3
CO2	1	-	1	3	2	1	-	2	2

Course Paper-04

HC 204 Administrative Thinkers

1. To acquaint the students with the administrative thinkers life and their works specially contributions and thought to Public Administration.

- It intends to acquaint the students with the basic knowledge of evolution of the separate discipline as an Administration along with various thoughts, theories and Principles of Public Administration.

Attainment Mapping

PO&PSO CO	PO1 BKPS	PO2 PIM	PO3 LQ	PO4 HD	PSO1 BC	PSO2 SPA	PSO3 ECD	PSO4 SR	PSO5 HE&CE
CO1	2	1	1	2	3	1	1	2	2
CO2	2	1	1	2	3	1	1	2	2

Course Paper-05

S.C 205 (a) Caste Politics in India.

- Understanding the politics of caste, corruption, and wealth is essential for combating poverty in India.
- This paper relatively few studies have systematically analyzed how these factors explain patterns of reservation combining state-national level.

Attainment Mapping

PO&PSO CO	PO1 BKPS	PO2 PIM	PO3 LQ	PO4 HD	PSO1 BC	PSO2 SPA	PSO3 ECD	PSO4 SR	PSO5 HE&CE
CO1	1	-	1	2	2	1	-	1	2
CO2	1	-	1	2	2	1	-	2	1

Course paper-06

OEC-206 Human Rights.

- It enable the students to understand the contentious relationship between human rights and economic development; issues related to poverty and economic-social and cultural rights.
- Help students to choose professions like human right activists, advocates and work through NGOs for the realization these rights.

Attainment Mapping

PO&PSO CO	PO1 BKPS	PO2 PIM	PO3 LQ	PO4 HD	PSO1 BC	PSO2 SPA	PSO3 ECD	PSO4 SR	PSO5 HE&CE
CO1	1	-	1	2	2	1	-	2	2
CO2	1	-	1	1	1	2	-	1	2

SEMESTER 3.

Course Paper-1

HC-301-Ancient and mediaeval Indian political thought

1. This paper exhibits the strength of the old edifies its additions and amalgamations of the new forces and upsurge of ideas and Institutions a fairly Complex character which cannot fit in to one genre.
2. This paper shows establishment of Muslim rule in India in the 13th century, a new set of political ideas and Institutions was put in place.
3. This is a period of synthesis Hindu and Muslim traditions as the new and the old (12th century) aligned with each other and also gave rise to the growth of new religious schools of thought that gave Indian Polity Anil inclusive dimensions.

Attainment Mapping

PO&PSO CO	PO1 BKPS	PO2 PIM	PO3 LQ	PO4 HD	PSO1 BC	PSO2 SPA	PSO3 ECD	PSO4 SR	PSO5 HE&CE
CO1	1	-	2	1	2	2	-	2	1
CO2	2	-	2	2	3	1	-	2	2
CO3	2	-	2	3	2	1	-	1	2

Course Paper-II

HC-302-Research Methodology in Political Science

1. This paper on research method in political science is significant as it helps in solving various planning and operational problems.
2. Students involve the study of cause and effect relationship between various variables and help to identify behavior /patterns/ trends in certain variables.
3. The role of research in several fields of Applied Social Science including political science is immeasurable. Research as an aid to public policy making has gained added importance both for government and business.
4. Through research we can device alternative policies and can as well examine the consequences of each of these alternatives hence this paper in this semester.

Attainment Mapping

PO&PSO CO	PO1 BKPS	PO2 PIM	PO3 LQ	PO4 HD	PSO1 BC	PSO2 SPA	PSO3 ECD	PSO4 SR	PSO5 HE&CE
CO1	2	-	1	2	3	2	2	2	2
CO2	1	-	-	2	3	1	2	2	1
CO3	1	-	1	1	2	1	1	2	1
CO4	1	-	-	1	2	1	1	1	1

Course Paper-III

HC-303- Contemporary Political Theories.

1. This Paper will focus on the theories that have a merged during the later part of 19th and 20th century and in the beginning of 21st century.
2. The idea is to provide the students with an insight into the developing theoretical knowledge in their discipline, while making them understand the significance of a theory in explaining phenomenon.
3. Since theories are formulated to explain, predict and understand phenomena and, in many cases, to challenge and extend existing knowledge within the limits of critical bounding assumption the theoretical framework acts as a structure to hold a support at area of a research study.

Attainment Mapping

PO&PSO CO	PO1 BKPS	PO2 PIM	PO3 LQ	PO4 HD	PSO1 BC	PSO2 SPA	PSO3 ECD	PSO4 SR	PSO5 HE&CE
CO1	2	1	1	1	1	1	-	1	1
CO2	1	-	-	1	2	1	-	1	1
CO3	1	-	-	1	2	1	-	1	1

Course Paper-IV

HC-304-Foreign Policy of India

1. This paper highlights the major debates in India's foreign policy making and its institutional interface.
2. This Paper exposes students to the realities, challenges and issues including the latest developments pertaining to India's foreign policy, its making and

the influencing factors that affect its making and the bilateral, multilateral, regional and global levels of foreign policy in action.

- It appraises students of the major security challenges facing the country in 21st century.

Attainment Mapping

PO&PSO CO	PO1 BKPS	PO2 PIM	PO3 LQ	PO4 HD	PSO1 BC	PSO2 SPA	PSO3 ECD	PSO4 SR	PSO5 HE&CE
CO1	2	1	2	2	3	1	1	2	2
CO2	1	1	1	1	2	1	1	2	1
CO3	1	1	1	1	2	1	1	2	1

Course Paper-V

SC-305-A-Local government in India

- This paper highlights State and local governments exercise important functions in the scheme of States. They plan and pay for most Roads, Run Public Schools, provide water, establish zoning regulations for their citizens.
- Local government is established essentially to promote the common good: and the sole purpose of the offices within it is to serve the constituency by providing justice, infrastructure, livelihood, Health Care, and other public services.
- Local government studies are the study of local politics, policy, administration and public management by the local institutions like Panchayat Raj and Urban Governments.

Attainment Mapping

PO&PSO CO	PO1 BKPS	PO2 PIM	PO3 LQ	PO4 HD	PSO1 BC	PSO2 SPA	PSO3 ECD	PSO4 SR	PSO5 HE&CE
CO1	2	1	3	2	2	2	1	2	3
CO2	1	1	1	2	2	1	1	1	1
CO3	2	1	2	2	2	1	1	1	2

Course Paper-VI (OEC)

Indian Political Philosophers

1. This paper intends to bring their thoughts to the benefit of the students of these generations.
2. This paper highlights Intellectual and legends of India have been a great Casual factor in the rise of modern Indian political philosophers.

Attainment Mapping

PO&PSO CO	PO1 BKPS	PO2 PIM	PO3 LQ	PO4 HD	PSO1 BC	PSO2 SPA	PSO3 ECD	PSO4 SR	PSO5 HE&CE
CO1	2	1	2	2	3	1	-	1	1
CO2	2	-	2	2	2	1	-	2	1

Semester-IV

Course Paper-I

HC-401- Modern Indian political thought

1. This paper takes a look at the emergence of modern India as one of the most significant phenomenon of world history. Since the middle of the nineteenth century the mind and soul of India have been awakened by great many thinkers.
2. The paper exposes these changes for a critical understanding of these inputs in the modern Indian political thought.

Attainment Mapping

PO&PSO CO	PO1 BKPS	PO2 PIM	PO3 LQ	PO4 HD	PSO1 BC	PSO2 SPA	PSO3 ECD	PSO4 SR	PSO5 HE&CE
CO1	2	1	2	1	2	1	-	2	2
CO2	2	-	2	2	2	1	-	2	1

Course Paper-II

HC-402-Indian Administration

1. This paper aims at giving the students a clear and Critical understanding about India's constitution, its framing and the process involved in realizing its goal and objectives.
2. Within this broader horizon, the paper specifically focuses on how the constitutional government offers a theoretical and institutional base for the country's political process and how the administration functions as the backbone of this system.
3. This is an important component of the discipline of Political Science as it helps the students to understand the necessity of Government and the difference between a government and administrative machinery.

Attainment Mapping

PO&PSO CO	PO1 BKPS	PO2 PIM	PO3 LQ	PO4 HD	PSO1 BC	PSO2 SPA	PSO3 ECD	PSO4 SR	PSO5 HE&CE
CO1	2	2	2	1	2	1	1	2	2
CO2	1	2	1	2	2	1	1	2	2
CO3	1	2	1	2	2	1	1	2	1

Course Paper-III

HC-403- International Organizations.

1. This paper on international law and international organization are the study of the international responsibility of States and relating International organizations and its foreign relations.
2. The relevance of the paper lies in its explanation of the responsibilities for international law and organizations in a complex word.
3. It also concerns the content of international responsibility to the international community as a whole.
4. The paper explains the rules and conventions that govern the international relations and balancing acts of international order.

Attainment Mapping

PO&PSO CO	PO1 BKPS	PO2 PIM	PO3 LQ	PO4 HD	PSO1 BC	PSO2 SPA	PSO3 ECD	PSO4 SR	PSO5 HE&CE
CO1	1	2	-	2	2	1	1	2	2
CO2	1	2	-	2	2	1	1	2	2
CO3	1	2	-	1	2	1	1	2	1
CO4	1	1	-	1	2	1	1	1	1

Course Paper-IV

HC-404-Comparative Government and Politics.

1. The paper emphasizes the constitutional framework, Competencies and their functioning in the global scenario.
2. The idea behind the framing of this paper is to expose the students to help them make their choice in matters of better governance comparing it with institutional structures and framework of other countries.

Attainment Mapping

PO&PSO CO	PO1 BKPS	PO2 PIM	PO3 LQ	PO4 HD	PSO1 BC	PSO2 SPA	PSO3 ECD	PSO4 SR	PSO5 HE&CE
CO1	2	2	-	1	2	1	1	2	2
CO2	1	2	-	1	1	1	2	2	1

Course Paper-V

HC-405-Project work

1. Students are able to carry out field studies.
2. Students learn the skills of writing, research design and methodology. This set of skills integrates three basic skills, research, information technology and critical thinking.
3. It helps students to develop the ability to put their thoughts in the form of writing and to build connections between concepts, variables and facts.

Attainment Mapping

PO&PSO CO	PO1 BKPS	PO2 PIM	PO3 LQ	PO4 HD	PSO1 BC	PSO2 SPA	PSO3 ECD	PSO4 SR	PSO5 HE&CE
CO1	2	1	2	2	2	1	1	2	3
CO2	1	2	1	2	3	1	1	2	3
CO3	1	2	1	2	2	1	1	2	2

Course Paper- VI

SC-VI-A Gender Politics

1. Analyse complex interconnections of gender, race, class, sexuality, ability, and other categories of power and identity in various spheres of human endeavour ranging from the socio political to the aesthetic.
2. Demonstrate openness to learning about people, cultures, and societies different from themselves and their own worlds.
3. Situate themselves among various strands of feminist thought and envision themselves as participants in a multidisciplinary dialogue with activists, artists, and academics regarding social, political, and cultural issues of gender and sexuality.

Attainment Mapping

PO&PSO CO	PO1 BKPS	PO2 PIM	PO3 LQ	PO4 HD	PSO1 BC	PSO2 SPA	PSO3 ECD	PSO4 SR	PSO5 HE&CE
CO1	1	1	3	1	2	1	2	2	1
CO2	1	2	2	1	2	1	1	2	2
CO3	2	1	1	1	1	2	1	1	1

Department of History and Archaeology:

Program Outcome of Master of Arts (M.A)

PO.01: Gain the knowledge of History through theory and practical's, To promote understanding of the present through the development of a historical perspectives on issues of contemporary importance.

PO.02: To study the Cultural History of India and its facets, understand the various phases in its evolution, review the methods of interpretation of Archaeological data and analysis.

PO.03: M.A. (History) degree serves as a basis for further higher studies and research in this eld such as Ph.D. and M.Phil. Degree in History. On completion of this degree, a student can apply for the NET or JRF exam; the success in these exams makes teaching or research as a good option.

PO.04: The M.A. (History) degree study trains students to read intelligently, think analytically, write clearly, accurately assess past trends, rationally predict future developments, thus understanding the real world.

PO.05: The degree course enables the students to develop a deep understanding of the evolution of human civilizations down the ages i.e. from the pre-historic to the recent times.

History and Archaeology Specific Outcomes:

PSO.01: The Course is aimed to develop Knowledge and understanding of human activity in the past and to promote understanding the present over developing historical perspective on issues of contemporary importance.

PSO.02: It is also aimed to develop knowledge and understanding of Indian history Hence in order to fulfil, this course covers wide range of topics pertaining to the course, supportive and interdisciplinary domains of historical knowledge.

PSO.03: The course is designed with consistency within the paper and between the papers. The course intends the students to develop the ability to think critically on the historical inheritance.

PSO.04: To develop an awareness of different interpretations of particular historical issues. The study of history helps to impart moral education.

PSO.05: M.A. History Job Types and Employment Areas: Historian, Court Houses, Archivist, Documentation Specialist, National Parks & Historic Sites Manager, Research Assistant, Teacher & Lecturer, Records Manager, Archaeology Sites, Historical Fiction, Writing, Archives, Historical Parks, Journalism, Museums & Art Galleries, Survey Agencies, Tourism Industry.

PSO.06: Understand the present existing social, political, religious and economic conditions of the people. To develop an awareness of different interpretations of particular historical issues. The study of history helps to impart moral education.

Program Structure:

There shall be two categories of papers namely core and optional papers. Optional papers are divided into groups namely A, B, C and D. The First Semester consist five (5) core papers along with one optional group paper and second and third semester shall have four (4) core papers and one open elective course (OEC) paper along with optional group papers. For fourth semester there are four (4) core papers and one optional group's paper. In addition to these papers HI 4.5 is a Research Project consisting of 100 marks (80 marks for Dissertation and 20 marks for viva-voce examination) based on students study Tour/field Work/Survey of Historical Source like Monuments /literature. Etc. The Dissertation shall be supervised by a qualified Teacher and submitted to the university immediately after the theory examination

Name of the Course	Course Outcome
HI-1.2. Political Ideas In Ancient India	<p>CO.01: Acquires Knowledge on political process in the given period of history is displayed. Capable of the analysing the Political Ideas of theocratic state in the Ancient India.</p> <p>CO.02: Analysing of the Vedic age, Tribal State Structure, Theories of Kingship, Dharma, Epics, Ramayana – Mahabharata.</p> <p>CO.03: Analysing of the Birth of New Religious Jaina and Buddhist and Republicanism.</p> <p>CO.04: Study of Ancient Indian Political Thinkers: Manu, Kautilya.</p>

ATTAINMENT

PO & PSO / COS	PO-1	PO-2	PO-3	PO-4	PO-5	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5	PSO-6
CO-1	3	2	3	2	3	3	3	2	2	3	3
CO-2	3	2	3	3	2	2	2	3	2	3	3
CO-3	2	3	2	3	3	3	2	2	3	2	2
CO-4	3	3	2	2	3	3	3	3	3	3	3

Name of the Course	Course Outcome
HI-1.3. History of Medieval India (1206-1707)	<p>CO.01: Knowledge of political transformations in medieval India is visible</p> <p>CO.02: Capable of the analysing the theory of theocratic state in the medieval India.</p> <p>CO.03: To know the origin and foundation of Mughal empire in India.</p> <p>CO.04: To explain the qualities that made Babur and Akbar the great successful emperors.</p>

ATTAINMENT

PO & PSO / COS	PO-1	PO-2	PO-3	PO-4	PO-5	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5	PSO-6
CO-1	2	2	3	2	3	3	3	2	2	3	3
CO-2	2	2	3	2	2	3	2	3	2	2	3
CO-3	2	2	3	3	2	2	2	2	3	3	2
CO-4	2	2	3	2	2	3	3	3	3	3	3

Name of the Course	Course Outcome
HI-1.4. Society and Culture of India Up to 1200 AD	<p>CO.01: In this paper the students from general course will learn about the socio cultural pattern of India.</p> <p>CO.02: They read the sources of history, primitive civilization like Harappa, Vedic Age, protestant movements such as Jainism, Budhhism, the royal history of Maurya, Guptas and Satavahans.</p> <p>CO.03: Students will acquire knowledge about the imperial Moury's, Shatavahan's and Guptas, their political and economic pattern.</p> <p>CO.04: They get an idea about the developments in Gupta and Post Gupta period including society, art, architecture, literature, science, technology etc.</p>

ATTAINMENT

PO & PSO / COS	PO-1	PO-2	PO-3	PO-4	PO-5	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5	PSO-6
CO-1	3	3	3	2	3	3	3	2	2	2	3
CO-2	3	2	3	2	3	3	2	3	2	3	3
CO-3	2	2	2	3	2	3	2	2	3	3	2
CO-4	3	3	2	2	2	3	3	3	3	3	3

Name of the Course	Course Outcome
HI-1.5. Intellectual History of Modern India	<p>CO.01: Analysing of the Renaissance and Socio- religious Movement in India.</p> <p>CO.02: Study of Indian Thinkers and Socio- religious Reformists: Raja Ram Mohan Roy, Dayananda Sarawathi, Swamy Vivekananda, Annibesant, Joythi Bha Phule, Narayana Guru, Gandhi – Dr. B. R. Ambedker, Abdul Kalam Azad.</p> <p>CO.03: The Socialist thought: Nehru, S.C. Bose, Lohia, M.N. Roy.</p>

ATTAINMENT

PO & PSO / COS	PO-1	PO-2	PO-3	PO-4	PO-5	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5	PSO-6
CO-1	3	2	3	2	3	3	3	2	2	3	3
CO-2	2	2	3	2	2	2	2	3	2	2	3
CO-3	2	2	2	3	2	3	2	3	3	3	2

Optional Groups	
Name of the Course	Course Outcome
HI-Gr-C.1.6. Intellectual History of Karnataka	<p>CO.01: Analysing of the Socio- religious Movement in Karnataka.</p> <p>CO.02: Study of Karnataka Thinkers and Socio- religious Reformists: Shankaracharya, Sri Ramanujacharya and Madwacharya.</p> <p>CO.03: Vachana Movement: Basavanna, Allama, Akkamahadevi. Analysing of the Bhakti Movement: Purandara Dasa, Kanaka Dasa, Vidyaranya and Sufism.</p> <p>CO.04: Analysing of the Renaissance Movement in Karnataka: Tilakian and Gandhian, Alur Venkata Rao, D.V. Gundappa, Hardikar Manjappa.</p>

ATTAINMENT

PO & PSO / COS	PO-1	PO-2	PO-3	PO-4	PO-5	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5	PSO-6
CO-1	2	2	3	2	3	3	3	2	2	3	3
CO-2	3	2	2	2	3	3	2	3	3	3	3
CO-3	2	2	2	3	2	3	2	3	3	2	2
CO-4	2	3	2	2	2	3	3	3	3	3	3



Estd : 1963

ಬಿ.ಎಲ್.ಡಿ.ಇ. ಸಂಸ್ಥೆಯ
ವಾಣಿಜ್ಯ, ಐ. ಎಚ್. ಎಸ್. ಕಲೆ ಮತ್ತು ಐ. ಐ. ಪಿ. ವಿಜ್ಞಾನ ಮಹಾವಿದ್ಯಾಲಯ,
ಜಿ. ಬಾಗಲಕೋಟೆ
ಜಮಖಂದಿ-587 301
ಕರ್ನಾಟಕ ರಾಜ್ಯ



B.L.D.E.Association's

COMMERCE, B.H.S. ARTS & T. G.P. SCIENCE COLLEGE, JAMKHANDI-587 301.

Dist. Bagalkot

Karnataka State

Fax / Tel. : +918353-220183 (Principal), 220003 (Office) email: bldeajkd@yahoo.in Website : www.bldeajkd.org

NAAC 3rd Cycle Accredited with 'A' Grade (CGPA -3.32)

Ref No.:

Date :

Semester-II

Name of the Course	Course Outcome
HI-2.1. Historiography	CO.01: After Completion Of These Courses Students Should Be Able To; CO.02: Produce Written Work That Incorporates Consideration of the Relevant Historiography Along With the Theory That Informs It. CO.03: Develop An Ability To Convey Verbally Their Thesis Research And Relevant Historiography And Theory.

ATTAINMENT

PO & PSO / COS	PO-1	PO-2	PO-3	PO-4	PO-5	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5	PSO-6
CO-1	2	2	3	2	3	3	3	2	2	3	3
CO-2	2	3	2	2	3	2	2	2	2	2	3
CO-3	3	3	2	3	2	3	2	3	3	3	2

Name of the Course	Course Outcome
HI-2.2. Political And Administrative Institutions Of India	<p>CO.01: Describe Political And Administrative Institutions Of India</p> <p>CO.02: Classify Administrative in the Vedic Age, Sangam Age, Maurya, Shatavahan, Gupta, Chola and Sultanate Period.</p> <p>CO.03: Classification of Buddhism and Jainism</p> <p>CO.04: Acquire knowledge about Early Vedic age to Maratha Period.</p>

ATTAINMENT

PO & PSO / COS	PO-1	PO-2	PO-3	PO-4	PO-5	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5	PSO-6
CO-1	2	2	3	2	3	2	3	2	2	3	2
CO-2	2	2	3	2	2	3	2	3	2	2	3
CO-3	3	3	2	3	3	3	2	3	3	3	2
CO-4	3	3	2	2	2	2	3	2	3	2	3

Name of the Course	Course Outcome
HI-2.3. History Of Freedom Movement In India 1857-1919	<p>CO.01: Analyze the factors and wars which pave way for influence of British in petty states.</p> <p>CO.02: Know the details of various acts and regulations to control India and it changed as British India.</p> <p>CO.03: Interpret the effects and impacts of British rule in economic conditions and implements of technology for perfect administration.</p> <p>CO.04: Know the Historical background of Making of the Indian Constitution.</p>

ATTAINMENT

PO & PSO / COS	PO-1	PO-2	PO-3	PO-4	PO-5	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5	PSO-6
CO-1	2	2	3	2	3	3	3	2	2	3	2
CO-2	3	2	3	2	2	3	2	3	2	3	3
CO-3	2	2	2	3	2	2	2	3	3	2	2
CO-4	2	3	2	2	2	3	3	3	3	3	3

Name of the Course	Course Outcome
HI-2.4. Society And Culture Of India 1200-1750 A.D	<p>CO.01: Identify Structure of Indian Society</p> <p>CO.02: Analyse early Rural Society and settlements – Forms of Dominance, Resistance, Conflicts and Mechanisms of Resolution- Composition of Urban Society.</p> <p>CO.03: Describe Bhakti and Sufi Movements of Medieval India</p> <p>CO.04: Identify Art, Architecture and Painting of Medieval Period.</p>

ATTAINMENT

PO & PSO / COS	PO-1	PO-2	PO-3	PO-4	PO-5	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5	PSO-6
CO-1	2	2	3	2	3	3	3	2	2	3	3
CO-2	2	2	3	2	2	2	2	3	2	3	3
CO-3	3	2	2	3	2	3	2	3	3	3	2
CO-4	2	3	2	2	2	3	3	3	3	2	3

Optional Groups	
Name of the Course	Course Outcome
HI-Gr-C.2.5. Socio-Economic History of Karnataka (1336-1799)	<p>CO.01: Highlight the significance of the Vijayanagara and Bahamani sultans' literature and wars.</p> <p>CO.02: Understand the nature of Karnataka Economic history. Explain the 17th Century Debate.</p> <p>CO.03: Understand the impact of Agrarian settlements of British on the peasants. Know the concept of De-industrialization.</p> <p>CO.04: Understand the role of Colonial state and Examine the changing nature of Indian trade</p>

ATTAINMENT

PO & PSO / COS	PO-1	PO-2	PO-3	PO-4	PO-5	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5	PSO-6
CO-1	3	2	3	2	2	3	3	2	2	2	3
CO-2	2	2	3	2	2	2	2	3	2	2	2
CO-3	2	2	2	3	2	2	2	3	3	2	2
CO-4	2	3	2	2	2	2	3	3	3	3	3

OPEN ELECTIVE COURESE IN HISTORY

Name of the Course	Course Outcome
HI-OEC-2.6. History of Social Transformation Movement in India (Ancient And Medieval)	CO.01: Describe History of Social Transformation Movement in India CO.02: Classify Social Transformation in the Ancient and Medieval India CO.03: Classification of Buddhism, Jainism, Shaiva, Vaishnavava, and Veersaivism. CO.04: Acquire knowledge about Early Religions

ATTAINMENT

PO & PSO / COS	PO-1	PO-2	PO-3	PO-4	PO-5	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5	PSO-6
CO-1	3	2	3	2	3	3	3	3	2	3	3
CO-2	2	2	3	2	3	3	2	2	2	2	3
CO-3	2	2	2	3	2	3	2	3	3	3	2
CO-4	2	3	2	2	2	2	3	3	3	3	3



Estd : 1963

ಬಿ.ಎಲ್.ಡಿ.ಇ. ಸಂಸ್ಥೆಯ
ವಾಣಿಜ್ಯ, ಐ. ಎಚ್. ಎಸ್. ಕಲೆ ಮತ್ತು ಐ. ಐ. ಪಿ. ವಿಜ್ಞಾನ ಪಾಠಶಾಲೆಯ,
ಜಮಖಂದಿ-587 301 ಕರ್ನಾಟಕ ರಾಜ್ಯ



B.L.D.E. Association's

COMMERCE, B.H.S. ARTS & T. G.P. SCIENCE COLLEGE, JAMKHANDI-587 301.

Dist. Bagalkot

Karnataka State

Fax / Tel. : +918353-220183 (Principal), 220003 (Office) email: bldeajkd@yahoo.in Website : www.bldeajkd.org

NAAC 3rd Cycle Accredited with 'A' Grade (CGPA -3.32)

Ref No.:

Date :

Semester-III

Name of the Course	Course Outcome
HI-3.1. Constitutional History of Modern India (1773-1950)	CO.01: After completion of these courses students should be able to; CO.02: Understanding of Salient Features of Indian Constitution History CO.03: Analyse the Indian Constitutional Nature and working, The Making of the New Constitution. CO.04: Identify Challenges within the Nation. Analyse Democratic Culture in India

ATTAINMENT

PO & PSO / COS	PO-1	PO-2	PO-3	PO-4	PO-5	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5	PSO-6
CO-1	2	2	2	2	3	3	3	2	2	3	3
CO-2	3	2	3	3	2	3	2	3	2	3	3
CO-3	2	2	2	3	2	3	2	3	3	3	2
CO-4	3	3	2	2	3	2	3	2	3	2	3

Name of the Course	Course Outcome
HI-3.2. History of Modern Mysore (1881-1956)	CO.01: Acquires Knowledge on political process in the given period of history is displayed. CO.02: Acquire knowledge of the British rule in Karnataka. CO.03: Know the Unification of Karnataka.

ATTAINMENT

PO & PSO / COS	PO-1	PO-2	PO-3	PO-4	PO-5	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5	PSO-6
CO-1	2	3	3	3	3	3	3	2	3	3	2
CO-2	3	2	3	2	2	3	2	3	2	3	3
CO-3	2	2	2	3	3	3	2	3	3	3	2

Name of the Course	Course Outcome
HI-3.3. History of Freedom Movement In India (1919-1947)	<p>CO.01: Examining the rise of National leaders and Nationalism.</p> <p>CO.02: Understanding and analyzing the role of moderates and extremist in during Indian National Movement.</p> <p>CO.03: Making of the Indian Constitution.</p> <p>CO.04: Understand about Principal Organs of the Indian Government.</p>

ATTAINMENT

PO & PSO / COS	PO-1	PO-2	PO-3	PO-4	PO-5	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5	PSO-6
CO-1	2	2	3	2	3	3	3	2	2	3	3
CO-2	3	2	3	2	2	2	2	3	2	3	3
CO-3	2	2	2	3	2	3	2	3	3	2	2
CO-4	2	3	2	2	3	3	3	3	3	3	3

Name of the Course	Course Outcome
HI-3.4. Social Reform Movements In Modern India	<p>CO.01: Analyse Social Religious Consciousness In India. Identify Challenges Within The Nation</p> <p>CO.02: Understand the nature and methods of the social reform movements</p> <p>CO.03: Explain the causes and impact of prominent social reform movements in Bengal</p> <p>CO.04: Explain the salient features of social reform movements in Western India. Critically evaluate the contribution of reform movements in North and South India.</p>

ATTAINMENT

PO & PSO / COS	PO-1	PO-2	PO-3	PO-4	PO-5	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5	PSO-6
CO-1	2	2	3	2	3	2	3	2	2	2	3
CO-2	3	2	3	3	2	3	3	3	2	3	3
CO-3	2	2	2	3	2	3	2	3	3	3	2
CO-4	3	3	2	2	2	3	3	3	3	2	3

Optional Groups	
Name of the Course	Course Outcome
HI-Gr-C.3.6. History of South India up to 1136 A.D	<p>CO.01: Students will be able to distinguish between primary and secondary sources.</p> <p>CO.02: Identify pre-historic sites, tools, monuments and sculptures of various dynasties.</p> <p>CO.03: Students will Learn a Basic Narrative of Historical events in a Specific Region of the Ancient South India in a Specific time frame.</p> <p>CO.04: Students will get the knowledge of History events and life cycle.</p>

ATTAINMENT

PO & PSO / COS	PO-1	PO-2	PO-3	PO-4	PO-5	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5	PSO-6
CO-1	2	2	3	2	3	3	3	2	2	3	2
CO-2	3	3	3	2	2	3	2	3	2	3	3
CO-3	2	2	2	3	2	3	2	3	3	3	2
CO-4	3	3	3	2	3	2	3	2	3	2	3

OPEN ELECTIVE COURESE IN HISTORY

Name of the Course	Course Outcome
HI-OEC-3.6. History of Social Transformation Movement in India (Modern and Contemporary)	CO.01: It Offers Opportunities To Analyze The Implications Of Broad Range Of Social, Economic, Political, & Cultural Problems And Developments Over Time CO.02: Understand The Present Existing Social, Political, Religious And Economic Conditions Of The People.

ATTAINMENT

PO & PSO / COS	PO-1	PO-2	PO-3	PO-4	PO-5	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5	PSO-6
CO-1	2	2	3	2	3	3	3	2	3	3	3
CO-2	3	3	3	3	2	3	2	3	2	3	3



Estd : 1963

ಬಿ.ಎಲ್.ಡಿ.ಇ. ಸಂಸ್ಥೆಯ
ಪಾಲಿಟೆಕ್ನಿಕ್, ಬಿ. ಎಚ್. ಎಸ್. ಕಲೆ ಮತ್ತು ಆ. ಜಿ. ಪಿ. ವಿಜ್ಞಾನ ಮಹಾವಿದ್ಯಾಲಯ,
 ಬಿ. ಬಾಗಲಕೋಟೆ **ಜಮಖಂದಿ-587 301** ಕರ್ನಾಟಕ ರಾಜ್ಯ



B.L.D.E. Association's

COMMERCE, B.H.S. ARTS & T. G.P. SCIENCE COLLEGE, JAMKHANDI-587 301.

Dist. Bagalkot

Karnataka State

Fax / Tel.: +918353-220183 (Principal), 220003 (Office) email: bldeajkd@yahoo.in Website : www.bldeajkd.org

NAAC 3rd Cycle Accredited with 'A' Grade (CGPA -3.32)

Ref No.:

Date :

Semester-IV

Name of the Course	Course Outcome
HI-4.1. History of Modern Word (1900-1939)	<p>CO.01: After completion of these courses students should be able to;</p> <p>CO.02: proposes the idea that humankind as a whole has a history to be investigated and that a world history course may be more than study of various “cultures,” each disconnected from the others.</p> <p>CO.03: From this paper students will learn about decline of feudalism and rise of modern era, renaissance, reformation, rise of absolutist state, glorious movements,</p> <p>CO.04: Germany and Italian unification, 1st World War, peace settlement and 2nd World War etc</p>

ATTAINMENT

PO & PSO / COS	PO-1	PO-2	PO-3	PO-4	PO-5	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5	PSO-6
CO-1	2	2	3	2	3	3	3	2	2	3	3
CO-2	3	2	3	2	2	3	2	3	2	2	3
CO-3	2	2	2	3	2	3	2	3	3	3	2
CO-4	3	3	2	2	3	3	3	2	3	3	3

Name of the Course	Course Outcome
HI-4.2. Politics and Social conflict in 20th century India special reference to Ambedkar	CO.01: It Offers Opportunities To Analyze The Implications Of Broad Range Of Social, Economic, Political, & Cultural Problems And Developments Over Time CO.02: Understand The Present Existing Social, Political, Religious And Economic Conditions Of The People.

ATTAINMENT

PO & PSO / COS	PO-1	PO-2	PO-3	PO-4	PO-5	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5	PSO-6
CO-1	2	2	3	3	3	3	2	2	2	3	2
CO-2	2	3	3	2	2	3	3	3	3	3	3

Name of the Course	Course Outcome
HI-4.3. History and Tourism	<p>CO.01: Importance of Tourism, development of KSTDC, ITDC. WTO. Etc...</p> <p>CO.02: Hospitality, Improvement of National Economy - Job Opportunities,</p> <p>CO.03: To know the origin and development of culture, and form of cultural tourism in India.</p> <p>CO.04: To understand the role of culture and pilgrimages in growth of tourism.</p>

ATTAINMENT

PO & PSO / COS	PO-1	PO-2	PO-3	PO-4	PO-5	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5	PSO-6
CO-1	2	2	3	3	3	3	3	2	2	2	3
CO-2	3	2	3	2	2	3	2	3	3	2	3
CO-3	2	3	2	2	2	3	2	3	3	3	3
CO-4	3	3	2	2	2	3	3	3	3	3	3

Name of the Course	Course Outcome
HI-4.4. History of Bijapur Adil Shahi	<p>CO.01: Classify Nature Of Pre Historic Societies. Identify Cultural Synthesis</p> <p>CO.02: They get an idea about the developments in Bijapur Adil Shahi period including society, art, architecture, literature, science, technology etc.</p> <p>CO.03: Appreciate Art & Architecture.</p>

ATTAINMENT

PO & PSO / COS	PO-1	PO-2	PO-3	PO-4	PO-5	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5	PSO-6
CO-1	3	2	2	2	3	2	3	2	2	2	3
CO-2	3	2	3	2	2	3	2	3	2	3	3
CO-3	3	2	2	3	2	3	2	2	3	3	3

Name of the Course	Course Outcome
HI-4.5. Research Project	CO.01: Develop Interests In The Study Of History And Activities Relating To History. CO.02: Visit Places Of Historical Interests, CO.03: Archaeological Sites, Museums, Archives Etc. CO.04: Write Articles On Historical Topics and Read Historical Documents

ATTAINMENT

PO & PSO / COS	PO-1	PO-2	PO-3	PO-4	PO-5	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5	PSO-6
CO-1	3	2	2	3	3	2	3	2	2	2	3
CO-2	3	2	3	2	2	3	2	3	2	3	3
CO-3	3	2	2	3	3	2	2	3	3	3	2
CO-4	3	2	2	2	3	3	3	2	3	2	2

Optional Groups	
Name of the Course	Course Outcome
HI-Gr-C.4.6. History of South Indian (1336-1948)	CO.01: Highlight the significance of the Vijayanagara and Bahamani sultans' literature and wars. CO.02: Acquires Knowledge on political process in the given period of history is displayed. CO.03: Acquire knowledge of the British rule in South Indian.

ATTAINMENT

PO & PSO / COS	PO-1	PO-2	PO-3	PO-4	PO-5	PSO-1	PSO-2	PSO-3	PSO-4	PSO-5	PSO-6
CO-1	2	3	3	2	3	3	3	2	2	3	2
CO-2	2	3	3	2	2	3	2	3	2	3	3
CO-3	2	3	2	3	2	3	3	3	3	3	2

Program outcomes (PO), Program Specific Outcomes (PSO), Course Outcomes CO) of M.Com (Key indicator 2.6.1)

❖ Program Outcomes (PO)

After completion of PG in Commerce

- **PO-1:** Students will be able to teach in colleges after qualifying requisite test.
- **PO-2:** After completion of this program students will be able to work in the field of Finance, Insurance, Accounting and Banking Sectors.
- **PO-3:** : After completion of this program students will be able to apply competitive exams like UPSC, KPSC and Banking..
- **PO-4:** To develop accounting and analytical skill as well as to study different methods of data collection and their interpretation.
- **PO-5:** The programme will be helpful to equip post Graduate student accept the Challenges of Business world.
- **PO-6:** The programme will be helpful to develop independent logical thinking among students and facilitate their personality development.

❖ Programs Specific Outcomes (PSO)

After completion of M.Com course students are able to

- **PSO-1:** To inculcate the knowledge of Business and strategies of managing the business with various discipline of Commerce.
- **PSO-2:** To develop knowledge on interpersonal relationship and behavioural studies.
- **PSO-3:** To develop knowledge on research in the field of commerce.
- **PSO-4:** Students can make their carrier in teaching profession, service sector as well as manufacturing sector.
- **PSO-5:** To develop knowledge on risk involved in business.
- **PSO-6:** Higher education and advance research in the field of commerce and finance.

Course Outcomes (CO) of M.Com

After completion of course

STRATEGIC MANAGEMENT

Course	Course Outcomes
M.Com First Sem Subjects Strategic Management	Expected Outcomes CO-1: Student learns to use various situational strategies and skills in management. CO-2: Student can identify and assess the company's strength and weakness and match them with its opportunities and challenges to suggest for alternative strategies. CO-3: Student able to understand strategic evaluation by model like BCG Matrix and GE Matrix etc. CO-4: To understand the corporate level strategies.

Attainment chart

STRATEGIC MANAGEMENT												
CO/ PO/PSO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PSO 6
CO 1	1	2	2	1	2	1	2	1	1	2	2	1
CO 2	1	2	1	1	2	1	2	2	2	2	2	1
CO 3	1	1	1	2	2	2	1	2	1	1	2	1
CO 4	1	2	1	2	2	2	2	2	1	2	2	1

MARKETING MANAGEMENT

Course	Course Outcomes
1) Marketing Management	Expected Outcomes CO-1: Students learn core marketing concepts and advertising skills. CO-2: Students understand various channels of distribution. CO-3: Student understands recent trends in marketing. CO-4: Student will be capable for decision making under market uncertainties.

Attainment chart

MARKETING MANAGEMENT												
CO/ PO/PSO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PSO 6
CO 1	1	2	-	1	2	2	2	2	1	2	2	-
CO 2	-	2	1	1	2	2	2	2	2	1	2	1
CO 3	1	2	2	-	2	1	2	2	2	2	2	1
CO 4	-	2	1	2	2	2	2	2	2	1	2	2

FINANCIAL MANAGEMENT

Course	Course Outcomes
Financial Management	<p>Expected Outcomes</p> <p>CO-1: Student acquires the knowledge of finance and its requirement in Business decision.</p> <p>CO-2: To acquaint the students with the basic analytical techniques and methods of financial management of business firms.</p> <p>CO-3: To understand capital budgeting techniques.</p> <p>CO-4: To understand capital structure, its theories and working capital management.</p>

Attainment chart

FINANCIAL MANAGEMENT												
CO/ PO/PSO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PSO6
CO 1	1	3	2	2	2	2	2	2	2	2	2	1
CO 2	1	2	2	3	2	2	2	2	1	2	2	2
CO 3	1	2	2	2	2	2	2	2	1	1	3	1
CO 4	1	2	2	2	2	1	2	2	1	2	2	2

ECONOMICS FOR MANAGERIAL DECISIONS

Course	Course Outcomes
Economics for Managerial Decisions	<p>Expected Outcomes</p> <p>CO-1: To acquaint with the concept of micro-economic theory and their use in decision making.</p> <p>CO-2: Student understands the concept of market structure and business cycle.</p> <p>CO-3: Student gets awareness about long run and short run cost curves and relevance of cost in business decisions.</p> <p>CO-4: To understand demand and supply for decision making.</p>

Attainment chart

ECONOMICS FOR MANAGERIAL DECISIONS												
CO/ PO/PSO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PSO 6
CO 1	1	2	2	2	2	1	2	1	1	2	2	1
CO 2	1	2	2	2	1	1	2	1	2	2	2	1
CO 3	1	2	1	2	2	2	2	1	1	2	2	1
CO 4	1	2	1	2	2	2	2	1	1	2	2	2

QUANTITATIVE TECHNIQUES

Course	Course Outcomes
Quantitative techniques	Expected Outcomes CO-1: To acquaint the students with the use of quantitative models in decision making. CO-2: To understand leaner programming by using graphical methods; formulation and solution. CO-3: To understand decision making under risk and critical path method techniques. CO-4: To under the research methodology and development.

Attainment chart

QUANTITATIVE TECHNIQUES												
CO/ PO/PSO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PSO 6
CO 1	1	2	2	2	2	2	2	1	3	2	2	2
CO 2	1	2	2	2	2	2	2	-	2	2	2	2
CO 3	1	2	1	2	2	2	2	-	1	2	3	2
CO 4	1	2	2	3	2	2	3	1	3	2	2	2

ORAGNISATION BEHAVIOUR

Course	Course Outcomes
Organisational Behaviour	Expected Outcomes CO-1: Student understands the organisational etiquettes and group behaviour. CO-2: To develop Leadership qualities and attitude of employees towards organisations. CO-3: To understand theories of motivations. CO-4: To understand the changes in organisation.

Attainment chart

ORAGNISATION BEHAVIOUR												
CO/ PO/PSO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PSO 6
CO 1	2	2	1	1	2	2	2	2	1	2	2	1
CO 2	1	2	1	1	2	3	2	3	1	2	2	2
CO 3	2	2	1	1	2	2	2	2	1	2	1	2
CO 4	2	2	1	2	2	2	2	2	1	2	2	1

MCOM II SEMESTER

CORPORATE RESTRUCTURING

Course	Course Outcomes
Corporate Restructuring	Expected Outcomes CO-1: Students understand the basic concepts like Merger, Amalgamation, Takeover, Spinoff, and Split off, Synergy. CO-2: Students understand Agency problems and its solution. CO-3: Students will understand the exchange rate and reasons for merger failures. CO-4: Students understand Procedure and working Measures for control of industrial sickness.

Attainment chart

CORPORATE RESTRUCTURING												
CO/ PO/PSO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PSO 6
CO 1	1	2	1	2	2	2	2	-	1	2	2	2
CO 2	1	2	1	1	2	2	2	1	2	2	2	1
CO 3	1	2	1	1	2	2	2	-	1	2	2	1
CO 4	1	2	1	1	2	1	2	1	1	2	2	1

BUSINESS ETHICS AND CORPORATE GOVERNANCE

Course	Course Outcomes
2) Business Ethics and Corporate Governance	Expected Outcomes CO-1: Students will get knowledge of ethics and emerging trends in good governance practices. CO-2: Students learn about analysing ethical issues in organisation. CO-3: Students learn various recommendations of different committees like Nareshchandra and Narayan Murthy. CO-4: Students understand ethical theories of CSR.

Attainment chart

BUSINESS ETHICS AND CORPORATE GOVERNANCE												
CO/ PO/PSO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PSO 6
CO 1	2	2	1	1	2	2	2	3	2	2	2	1
CO 2	2	2	1	1	2	1	2	2	2	2	1	1
CO 3	1	1	1	1	2	2	2	1	1	2	2	1
CO 4	1	2	1	2	1	2	2	2	1	2	2	2

MANAGERIAL ACCOUNTING

Course	Course Outcomes
3) Managerial Accounting	<p>Expected Outcomes</p> <p>CO-1: Students will be able to understand the application of advanced managerial accounting techniques.</p> <p>CO-2: It helps to understand the analysis and interpretation of Financial Statements.</p> <p>CO-3: It helps to know the sources and applications of funds.</p> <p>CO-4: It helps to understand techniques of Break Even Analysis.</p>

Attainment chart

MANAGERIAL ACCOUNTING												
CO/ PO/PSO	PO 1	PO 2	PO 3	PO 4	PO5	PO 6	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PSO6
CO 1	1	2	2	2	1	2	2	1	2	2	2	1
CO 2	1	2	1	2	2	2	2	1	1	2	1	1
CO 3	1	2	1	2	2	1	2	1	1	2	2	2

BUSINESS ENVIRONMENT

Course	Course Outcomes
4) Business Environment	<p>Expected Outcomes</p> <p>CO-1: Students learn the factors influencing the business environment.</p> <p>CO-2: Students understand environmental scanning and monitoring.</p> <p>CO-3: Student learns the role of Government in growth of business.</p> <p>CO-4: Students learn international business environment.</p>

Attainment chart

BUSINESS ENVIRONMENT												
CO/ PO/PSO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PSO 6
CO 1	-	2	1	1	2	1	3	2	1	1	2	1
CO 2	1	1	1	2	2	1	2	2	2	1	2	2
CO 3	-	2	1	2	2	1	2	1	2	2	2	1
CO 4	1	1	2	3	3	2	2	2	2	2	2	1

MCOM III SEMESTER

CORPORATE ACCOUNTING

Course	Course Outcomes
1) Corporate Accounting	Expected Outcomes CO-1: To know the concept of internal and external reconstruction CO-2: Students learn method of evaluation of Goodwill and Shares. CO-3: Students learn Holding Account, Liquidation Account and Amalgamation. CO-4: Students will learn about provisions of Companies Act-2013.

Attainment chart

CORPORATE ACCOUNTING												
CO/ PO/PSO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PSO 6
CO 1	2	2	1	2	1	2	2	2	2	2	2	1
CO 2	1	2	1	2	2	2	2	1	2	1	2	1
CO 3	1	3	2	2	2	2	2	2	1	2	2	2
CO 4	1	2	2	1	2	2	2	2	1	2	2	1

ACCOUNTING FOR SPECIALISED INSTITUTIONS

Course	Course Outcomes
2) Accounting for Specialised Institutions	Expected Outcomes CO-1: Student learns Accounting of Insurance Companies. CO-2: Student learns Double entry Accounting system. CO-3: Students learn Accounting for Hotels, Hospitals and Banking Companies. CO-4: Students will learn the different aspects of specialised institution in changing corporation scenario.

Attainment chart

ACCOUNTING FOR SPECIALISED INSTITUTIONS												
CO/ PO/PSO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PSO 6
CO 1	1	3	1	1	2	1	2	-	1	2	2	1
CO 2	1	2	1	2	2	1	2	-	2	2	2	1
CO 3	1	2	2	2	2	1	2	-	1	2	2	1
CO 4	1	2	2	1	2	2	2	-	1	2	2	1

INTERNATIONAL FINANCIAL MANAGEMENT

Course	Course Outcomes
3) International Financial Management	<p>Expected Outcomes</p> <p>CO-1: Students understand Exchange Rate, Forward rate, Spot Rate and Triangular Arbitrage process.</p> <p>CO-2: It helps to understand foreign exchange risk management.</p> <p>CO-3: Students learn the role of MNC's in International Financial management.</p> <p>CO-4: Students will understand financing for foreign operations.</p>

Attainment chart

INTERNATIONAL FINANCIAL MANAGEMENT												
CO/ PO/PSO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PSO 6
CO 1	-	2	2	1	2	2	2	2	1	2	2	2
CO 2	2	2	2	1	2	2	2	2	1	2	3	2
CO 3	1	2	2	1	2	1	2	2	2	2	2	1
CO 4	1	1	2	2	2	2	2	1	2	2	2	1

BUSINESS RESEARCH METHODS

Course	Course Outcomes
4) Business Research Methods	<p>Expected Outcomes</p> <p>CO-1: It helps to understand Research techniques and sampling in business research.</p> <p>CO-2: It helps to understand research methodologies.</p> <p>CO-3: It helps to understand types of reports.</p> <p>CO-4: Students will learn to interpret and to draw conclusion for business problems.</p>

Attainment chart

BUSINESS RESEARCH METHODS												
CO/ PO/PSO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PSO 6
CO 1	1	2	1	3	2	2	2	1	2	2	1	2
CO 2	1	2	2	3	2	2	3	1	3	2	2	2
CO 3	2	2	2	2	1	2	2	1	2	2	1	2
CO 4	1	3	2	3	2	2	3	1	2	2	2	2

FINANCIAL MARKETS AND INSTITUTIONS

Course	Course Outcomes
5) Financial Markets and Institutions	<p>Expected Outcomes</p> <p>CO-1: It helps to understand Financial system in India.</p> <p>CO-2: Students learn the sources of Finance available for industries from money market and capital market.</p> <p>CO-3: Students learn various investments opportunities along with theories of interest.</p> <p>CO-4: Students will understand various investment institutions.</p>

Attainment chart

FINANCIAL MARKETS AND INSTITUTIONS												
CO/ PO/PSO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PSO 6
CO 1	1	2	2	1	2	2	2	-	1	2	1	1
CO 2	1	2	2	2	2	2	2	-	1	2	3	2
CO 3	1	2	2	1	2	2	2	-	2	2	2	2
CO 4	1	3	2	2	2	2	2	-	2	1	2	2

OEC-SOFT SKILLS FOR EMPLOYABILITY

Course	Course Outcomes
6)OEC-Soft skills for employability	<p>Expected Outcomes</p> <p>CO-1: To learn about Grooming standards and Courteous phrases and to develop knowledge of communication skills.</p> <p>CO-2: Have clarity on the career path and career exploration. Methods of competitive exams.</p> <p>CO-3: Explain the use of functional and chronological resume and reference seeking.</p> <p>CO-4: Develop thinking ability and taking initiation in group discussions, to be aware of the various kinds of personal interview.</p>

Attainment chart

SOFT SKILLS FOR EMPLOYABILITY (OEC)												
CO/ PO/PSO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PSO 6
CO 1	2	2	2	3	2	3	1	1	1	2	2	1
CO 2	2	2	3	2	2	2	2	1	2	1	2	2
CO 3	2	1	2	2	1	2	2	1	2	1	2	2
CO 4	3	2	2	2	1	2	2	1	2	1	2	2

MCOM IV SEMESTER

INTERNATIONAL BUSINESS

Course	Course Outcomes
M.Com Fourth sem Subjects 1) International Business	<p>Expected Outcomes</p> <p>CO-1: Students understand different dimensions of international Business.</p> <p>CO-2: Students learn Economic integration and their benefit.</p> <p>CO-3: Students learn International Trade.</p> <p>CO-4: Student will learn WTO, economic unions and trade blocks.</p>

Attainment chart

INTERNATIONAL BUSINESS												
CO/ PO/PSO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PSO 6
CO 1	1	1	1	2	2	2	2	2	1	2	2	1
CO 2	-	1	1	-	2	1	2	2	-	2	2	1
CO 3	1	2	1	-	3	2	2	2	1	2	3	1
CO 4	1	2	2	1	2	2	2	2	1	2	2	2

SECURITY ANALYSIS AND PORTFOLIO MANAGEMENT

Course	Course Outcomes
2) Security Analysis and portfolio Management	<p>Expected Outcomes</p> <p>CO-1: Student will understand the security Analysis and portfolios.</p> <p>CO-2: Student will understand various theories of capital market.</p> <p>CO-3: Students Understand investment process and investment avenues.</p> <p>CO-4: Student will understand portfolio evaluation by Sharpe, Treynors and Jenson index.</p>

Attainment chart

SECURITY ANALYSIS AND PORTFOLIO MANAGEMENT												
CO/ PO/PSO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PSO 6
CO 1	-	2	1	2	2	2	2	-	2	2	3	2
CO 2	-	3	2	-	1	-	2	1	1	2	2	1
CO 3	1	3	2	2	2	2	2	2	2	2	3	1
CO 4	1	2	-	2	2	2	2	2	2	2	3	1

INNOVATIONS IN ACCOUNTING

Course	Course Outcomes
3) Innovations in Accounting	<p>Expected Outcomes</p> <p>CO-1: It helps to understand Innovative Accounting techniques to solve current issues of organisation.</p> <p>CO-2: It helps to understand Human Resource Accounting by different organisations.</p> <p>CO -3: It helps to understand Social and Creative Accounting.</p> <p>CO-4: It helps to understand Accounting for Intangibles.</p>

Attainment chart

INNOVATIONS IN ACCOUNTING												
CO/ PO/PSO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PSO 6
CO 1	1	2	-	1	2	-	2	-	1	2	2	1
CO 2	1	2	3	2	1	1	2	1	2	2	1	2
CO 3	1	2	1	1	2	1	2	-	2	1	2	2
CO 4	1	2	1	1	1	1	2	1	2	2	1	2

MUTUAL FUND

Course	Course Outcomes
4) Mutual Fund	<p>Expected Outcomes</p> <p>CO-1: It helps to understand concept, Structure, Risks of mutual fund.</p> <p>CO-2: It helps to understand various Schemes and Benefits of mutual fund.</p> <p>CO-3: It helps to understand the techniques to measure performance of mutual fund.</p> <p>CO-4: It helps to understand the taxation and regulations in relation with mutual funds.</p>

Attainment chart

MUTUAL FUND												
CO/ PO/PSO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PSO 6
CO 1	-	2	2	-	1	1	2	1	2	2	3	-
CO 2	-	2	-	1	2	2	2	2	2	2	2	1
CO 3	1	2	2	2	-	2	2	2	1	2	2	2
CO 4	1	2	2	2	1	2	2	1	2	2	1	2

E-COMMERCE

Course	Course Outcomes
5) E-Commerce	<p>Expected Outcomes</p> <p>CO-1: It helps to assess e-commerce requirements of business and development of e-business plan.</p> <p>CO-2: It helps to understand the concept of e-Commerce.</p> <p>CO-3: It helps to understand importance of e-commerce in Business decisions.</p> <p>CO-4: it helps to understand Applications of E-Commerce.</p>

Attainment chart

E-COMMERCE												
CO/ PO/PSO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PSO 6
CO 1	1	2	1	1	2	2	2	1	2	1	2	1
CO 2	1	2	2	1	2	1	2	-	2	1	2	1
CO 3	1	2	2	2	2	1	2	1	2	2	2	1
CO 4	1	2	2	2	2	2	1	-	2	2	2	1

PROJECT REPORT

Course	Course Outcomes
6)Project Report	<p>Expected Outcomes</p> <p>CO-1: It helps to understand data analysis and interpretation.</p> <p>CO-2: It helps to understand Footnote and end note for preparation of project report.</p> <p>CO-3: It helps to increase analytical skill of students.</p> <p>CO-4: It helps to get practical experience through field work.</p>

Attainment chart

SOFT SKILLS FOR EMPLOYABILITY (OEC)												
CO/ PO/PSO	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PSO 1	PSO 2	PSO 3	PSO 4	PSO 5	PSO 6
CO 1	2	2	2	3	2	3	1	1	1	2	2	1
CO 2	2	2	3	2	2	2	2	1	2	1	2	2
CO 3	2	1	2	2	1	2	2	1	2	1	2	2
CO 4	3	2	2	2	1	2	2	1	2	1	2	2

PROGRAM: M.Sc. MATHEMATICS

PROGRAM OUTCOMES

PO1: After completing 2 years of M.Sc. program, students are gaining through knowledge in pure and applied mathematics.

PO2: The mathematical curriculum offers a number of practical exposures which equips the students to face modern challenges in mathematics.

PO3: The PG students after the completion of the course will gain a thorough knowledge in preparing themselves for the CSIR NET and SET examinations and Prepare students for pursuing research in mathematical sciences and allied fields.

PO4: Continue to acquire relevant knowledge and skills appropriate to professional activities and demonstrate highest standards of ethical issues in mathematical sciences.

PO5: Create awareness to become an enlightened citizen with commitment to deliver one's responsibilities within the scope of bestowed rights and privileges.

PROGRAM SPECIFIC OUTCOMES

- **PSO1:** Students enable to apply the concepts of statistics, Operations Research and Probability theory in real life problems.
- **PSO2:** Elective papers in PG Programme enable the students to face the real time applications.
- **PSO3:** Understanding of the fundamental axioms in mathematics and capability of developing ideas based on them.
- **PSO4:** Inculcate mathematical reasoning.
- **PSO5:** Prepare and motivate students for research studies in mathematics and related fields.
- **PSO6:** Provide advanced knowledge on topics in pure mathematics, empowering the students to pursue higher degrees at reputed academic institutions.
- **PSO7:** Good understanding of number theory which can be used in modern online cryptographic technologies.
- **PSO8:** Nurture problem solving skills, thinking, creativity through assignments, project work.
- **PSO9:** Assist students in preparing (personal guidance, books) for competitive exams e.g. NET, K-SET etc.

Course Outcomes M.Sc. Mathematics

✓ **MSc I Sem : Paper-1.1: Algebra-I**

CO-1: Solving problems using the powerful concept of group action.

CO-2: Applying the concept of a group action to real life problems such as counting.

CO-3: Facility in solving real life problems by thinking logically and outside of box.

CO-4: Analyse groups, abelian groups, symmetric groups and their properties.

CO-5: Assess properties implied by the definitions of group.

	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9
CO1	3	2	3	1	1	1	2	3	3	3	3	1	3	3
CO2	2	2	3	2	1	1	2	2	1	1	2	2	2	3
CO3	3	3	3	3	2	1	2	1	2	2	1	1	2	3
CO4	3	2	3	2	3	1	2	2	3	1	2	2	2	3
CO5	3	3	3	2	2	1	2	1	2	2	1	1	2	3

Paper-1.2: TOPOLOGY

CO-1: Generalization of concepts like continuity.

CO-2: Generalizations of theorems.

CO-3: Gains knowledge regarding connectedness and compactness, Urysohn's Metrization theorem

CO-4: Gain knowledge of different separation axioms

CO-5: To understand the different properties of the surface under study

	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9
CO1	1	1	2	1	1	1	2	2	1	2	2	1	1	2
CO2	1	1	2	2	1	1	2	2	1	3	1	1	2	2
CO3	1	2	2	3	2	1	3	1	1	2	2	1	1	2
CO4	1	2	2	2	3	1	2	3	1	3	1	1	2	2
CO5	1	2	2	2	2	1	2	3	1	2	2	1	2	2

Paper-1.3: REAL ANALYSIS

CO-1: Basic definition of metric space, norm linear space and inner product space.

CO-2: Convergent and Cauchy sequence in a metric space.

CO-3: Characterize the concept of compactness in metric space.

CO-4: Continuity, uniform continuity and convergence of functions

CO-5: Algebra of derivatives, rectifiable paths

	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9
CO1	3	2	3	1	1	1	2	2	1	1	3	1	2	3
CO2	2	2	3	2	1	1	3	3	1	2	3	1	3	3
CO3	3	3	3	3	2	1	2	2	1	3	3	1	3	3
CO4	3	2	3	2	3	1	3	2	1	3	3	1	3	3
CO5	3	3	3	2	2	1	3	3	1	3	3	1	3	3

Paper-1.4: LINEAR ALGEBRA

CO-1: Vector theory: subspace, basis, linear independence, inner product spaces etc.

CO-2: Ability to go abstract from concrete: from concrete notion of solution spaces to vector spaces.

CO-3: Solve the system of simultaneous linear equations.

CO-4: Apply concepts of linear algebra in probability theory

CO-5: Use the concepts of linear algebra in computer science and Information technology

	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO8
CO1	3	2	3	1	1	1	3	2	3	2	3	2	2	3
CO2	2	2	3	2	1	1	2	1	1	3	3	1	3	3
CO3	3	3	3	3	2	3	3	1	2	3	3	1	3	3
CO4	3	2	3	2	3	3	3	2	3	3	3	2	3	3
CO5	3	3	3	2	2	3	3	1	2	3	3	2	3	3

Paper-1.5: ORDINARY DIFFERENTIAL EQUATIONS

CO-1: Ability to handle ordinary differential equations and solve them under appropriate assumptions.

CO-2: Ability to solve a linear system of o.d.e.'s.

CO-3: Apply important properties of elliptic parabolic and hyperbolic equations.

CO-4: Understand the properties of the eigen functions

CO-5: Power series solution of linear differential equations

	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9
CO1	3	2	3	1	1	1	2	1	2	3	2	1	3	3
CO2	2	2	3	2	1	1	2	2	2	2	2	1	3	3
CO3	3	3	3	1	2	1	3	1	1	3	3	1	3	3
CO4	3	2	3	2	2	1	2	2	2	3	3	1	3	3
CO5	3	3	3	2	2	1	3	1	2	3	3	1	3	3

Paper-1.6: DISCRETE MATHEMATICAL STRUCTURES

CO-1: Ability to use graphs as unifying theme for various combinatorial problems.

CO-2: Ability to apply combinatorial intuitions in network theory, data structure and various other fields of science.

CO-3: Describe the origin of Graph Theory.

CO-4: Ability to model real world problems in terms graphs which can be used to analyse those problems in a better way

CO-5: Apply graph theoretical models in different areas of science and Technology

	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9
CO1	1	2	1	1	1	1	1	1	1	3	2	1	2	1
CO2	2	2	1	2	1	1	2	1	2	3	2	1	2	1
CO3	1	3	1	1	2	1	1	1	1	2	1	1	1	1
CO4	2	2	1	2	2	1	2	1	2	3	2	1	3	1
CO5	3	3	1	2	2	1	3	1	2	3	2	1	3	1

✓ **MSc IISem : Paper-2.1: ALGEBRA-II**

CO-1:Applying the concept of an integral domain and field concept to real life problems.

CO-2: Facility in handling problems involving polynomial equations.

CO-3:Facility in working with situations involving commutative rings, in particular monogenic algebras of matrices. Implies facility in working with matrices, a concept that finds a large number of applications in real life including the graphs and networks.

CO-4: Gains knowledge in Ring theory.

CO-5: Exposed to the concepts of Ideals Quotient Rings and Fields.

	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9
CO1	3	2	3	1	1	1	2	3	3	3	3	1	3	3
CO2	2	2	3	2	1	1	2	2	1	1	2	2	2	3
CO3	3	3	3	3	2	1	2	1	2	2	1	1	2	3
CO4	3	2	3	2	3	1	2	2	3	1	2	2	2	3
CO5	3	3	3	2	2	1	2	1	2	2	1	1	2	3

Paper-2.2: Complex Analysis

CO-1: Understanding of topological and geometric properties of the complex plane.

CO-2: Students study about the concept of analytic function and linear transformations.

CO-3: Gains knowledge in the concepts of complex integration, singularities, zeros and poles.

CO-4: Gains knowledge of Residue theorem, Rouché's theorem

CO-5: Gains knowledge of Normal families and Riemann mapping theorem

	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9
CO1	3	2	3	1	1	1	1	2	1	2	2	1	2	3
CO2	2	2	3	2	1	1	1	2	1	2	2	1	2	3
CO3	3	3	3	3	2	1	1	2	2	2	3	1	3	3
CO4	3	2	3	2	3	1	1	2	2	3	3	1	3	3
CO5	3	3	3	2	2	1	1	2	1	3	3	1	3	3

Paper-2.3: Partial Differential Equations

CO-1: Ability to handle partial differential equations and solve them under appropriate assumptions.

CO-2: Ability to solve a linear system of p.d.e.'s. **CO-3:** Apply important properties of harmonic and subharmonic functions.

CO-4: Understand and analyse the higher order partial differential equations

CO-5: Applications of Partial differential equations in fluid dynamics

	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9
CO1	3	2	3	1	1	1	2	1	2	3	2	1	3	3
CO2	2	2	3	2	1	1	2	2	2	2	2	1	3	3
CO3	3	3	3	1	2	1	3	1	1	3	3	1	3	3
CO4	3	2	3	2	2	1	2	2	2	3	3	1	3	3
CO5	3	3	3	2	2	1	3	1	2	3	3	1	3	3

Paper-2.4: Functions of Several Variables

CO-1: Basic definition of Riemann-stieltje's integral and its linear properties.

CO-2: Inverse function, Implicit function and Stone-Weierstrass Theorems.

CO-3: Function of several variables and differentiation in \mathbb{R}^n .

CO-4: Understand the convergence and uniform convergence of sequences and series of functions

CO-5: Applications of functions of several variables in various fields of science

	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9
CO1	3	2	3	1	1	1	2	2	1	1	3	1	2	3
CO2	2	2	3	2	1	1	3	3	1	2	3	1	3	3
CO3	3	3	3	3	2	1	2	2	1	3	3	1	3	3
CO4	3	2	3	2	3	1	3	2	1	3	3	1	3	3
CO5	3	3	3	2	2	1	3	3	1	3	3	1	3	3

Paper-2.5: Classical Mechanics

CO-1: Basics of co-ordinate transformations, Tensors, Gradient divergence and Curl in tensor calculus.

CO-2: Deep study of descriptions of a motion in material and spatial coordinate.

CO-3: Gain Knowledge about the physical laws, principal of linear and angular momentum.

CO-4: Apply concepts of mathematics in physics

CO-5: Understand the properties of various fluids and the equations of fluid mechanics

	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9
CO1	1	2	1	1	1	1	3	2	3	2	3	2	2	2
CO2	2	2	1	2	1	1	2	1	1	3	3	1	3	2
CO3	1	3	1	1	2	3	3	1	2	3	3	1	3	2
CO4	2	2	1	2	2	3	3	2	3	3	3	2	3	2
CO5	3	3	1	2	2	3	3	1	2	3	3	2	3	2

✓ **M.Sc. III Sem : Paper-3.1: Measure Theory and Lebesgue Integration**

CO-1: Measurable sets, Lebesgue measure, construction of non-measurable sets and Extension of the concepts of measures and integration.

CO-2: Understanding that Lebesgue integration can solve certain problems for which Riemann integration does not provide adequate answers (in particular, in Fourier analysis).

CO-3: Viewing differentiation and integration as inverse operations in the more general context of Lebesgue theory, understanding the limitations of this view.

CO-4: Study on LP space and complete spaces

CO-5: Understand the properties of the measurable spaces

	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9
CO1	1	2	1	1	1	1	2	2	1	1	3	1	2	2
CO2	2	2	1	2	1	1	3	3	1	2	3	1	3	2
CO3	1	3	1	1	2	1	2	2	1	3	3	1	3	2
CO4	2	2	1	2	2	1	3	2	1	3	3	1	3	2
CO5	3	3	1	2	2	1	3	3	1	3	3	1	3	2

Paper-3.2: Differential Geometry

CO-1: Students gain knowledge about Euclidean spaces, tangent vectors, directional derivative and mappings.

CO-2: Briefly study about cross product of tangent vectors, curves in E^3 .

CO-3: Gains knowledge about calculus on a surface, co-ordinate patch, Monge patch. Mapping on surfaces, topological properties of surfaces.

CO-4: Apply these concept of geometry in other disciplines of science

CO-5: Learn the computational techniques special curves in surfaces

	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9
CO1	1	1	2	1	1	1	2	2	1	2	2	1	1	1
CO2	1	1	2	2	1	1	2	2	1	3	1	1	2	1
CO3	1	2	2	3	2	1	3	1	1	2	2	1	1	1
CO4	1	2	2	2	3	1	2	3	1	3	1	1	2	1
CO5	1	2	2	2	2	1	2	3	1	2	2	1	2	1

Paper-3.3: Numerical Analysis

CO-1: Basic study on different types of roots linear and non-linear system of equations.

CO-2: Deep study on interpolation such as Lagrange, Hermite, Cubicspline's.

CO-3: Gain the knowledge about numerical differentiation and integration such as Gauss legendre, Gauss- Chebesheb, Gaussian quadrature.

CO-4: Apply these computational techniques in other disciplines of science

CO-5: Use these methods in solving various problems of physics and other disciplines of science and technology

	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9
CO1	3	2	3	1	1	1	2	1	2	3	2	1	3	2
CO2	2	2	3	2	1	1	2	2	2	2	2	1	3	2
CO3	3	3	3	1	2	1	3	1	1	3	3	1	3	2
CO4	3	2	3	2	2	1	2	2	2	3	3	1	3	2
CO5	3	3	3	2	2	1	3	1	2	3	3	1	3	2

Paper-3.4: Mathematical Finance

CO-1: Basic definitions of stocks, bond market, rate of return, interest rates, forward interest rate.

CO-2: Deep study on methods of hedging a stock, hedging with collars.

CO-3: Gain knowledge about the interest rates, forward rates and zero coupon bonds.

CO-4: Study continuous time stock Model, Ito Calculus and Stochastic Models

CO-5: Understand the discrete Model, Black Scholes formula, Put Call Parity, Trees and continuous Models. Sensitivity issues

	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9
CO1	1	1	1	1	1	2	3	1	2	3	1	1	2	1
CO2	1	1	1	-	1	2	2	1	2	3	1	1	2	1
CO3	1	2	1	-	2	2	3	1	3	3	1	1	3	1
CO4	1	1	1	1	2	2	3	1	3	3	1	1	1	1
CO5	1	1	1	2	1	2	3	1	3	3	1	1	2	1

Paper-3.5: Number Theory and Cryptology

CO-1: Learnt about divisibility, Legendre's symbols, Jacobi symbol.

CO-2: Briefly study about public key cryptography, RSA, and discrete logarithm.

CO-3: Useful tools in cryptography and related applied subjects.

CO-4 Study finite fields, Hasse Theorem, Weil Conjectures, elliptic curve cryptosystem

CO-5: Apply the technologies studied in number theory and cryptology

	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9
CO1	2	1	1	1	1	2	2	1	2	3	1	3	2	2
CO2	2	1	1	1	1	2	1	1	2	2	1	3	2	2
CO3	2	2	1	1	2	2	1	1	2	3	2	3	3	2
CO4	2	1	1	1	2	2	2	1	3	3	3	3	3	2
CO5	2	1	1	2	1	2	2	1	3	3	3	3	3	2

✓ **M.Sc. IV Sem : Paper-4.1: Functional Analysis**

CO-1: Concept of normed linear spaces, inner product spaces and linear operators between these spaces

CO-2: Deep study on Hilbert spaces and Fisher theorem

CO-3: Computing the dual spaces of certain Banach spaces

CO-4: Understand the properties of the various spaces

CO-5: Study the techniques of orthogonalisation and orthonormalisation

	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9
CO1	1	1	2	1	1	1	2	2	1	1	3	1	2	3
CO2	1	1	2	2	1	1	3	3	1	2	3	1	3	3
CO3	1	2	2	3	2	1	2	2	1	3	3	1	3	3
CO4	1	2	2	2	3	1	3	2	1	3	3	1	3	3
CO5	1	2	2	2	2	1	3	3	1	3	3	1	3	3

Paper-4.2: Mathematical Methods

CO-1: Learn the concepts of Laplace Transforms, Solution of ODE and PDE by Laplace transforms.

CO-2: Deep study on Volterra and Fredholm integral equations, integral transformations.

CO-3: Gains knowledge on resolvent kernel, asymptotic, perturbation method.

CO-4: Apply different mathematical methods to understand the physical problems

CO-5: Understand the techniques to solve physical problems through various mathematical methods

	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9
CO1	3	2	3	1	1	1	2	1	2	3	2	1	3	2
CO2	2	2	3	2	1	1	2	2	2	2	2	1	3	2
CO3	3	3	3	1	2	1	3	1	1	3	3	1	3	2
CO4	3	2	3	2	2	1	2	2	2	3	3	1	3	2
CO5	3	3	3	2	2	1	3	1	2	3	3	1	3	2

Paper-4.3: Probability Theory

CO-1: Basics of random experiment, sample spaces , events and probability space.

CO-2: Deeps study about moments, probability generate function and its independent random variables.

CO-3: Gain Knowledge about Binomial distribution, poisson and normal distribustions.

CO-4: Apply Correlation and Regression analysis in different areas of science and social science

CO-5: Study various Distributions of functions of random variables

	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9
CO1	3	1	2	1	1	2	2	1	2	3	1	1	1	3
CO2	2	1	2	2	1	3	3	2	3	2	1	2	2	3
CO3	3	2	2	1	2	3	3	2	2	3	2	2	2	3
CO4	3	1	2	2	2	3	2	1	2	3	1	2	1	3
CO5	3	2	2	2	2	3	3	2	3	2	1	1	1	3

Paper-4.4: Advance Graph Theory

CO-1: Learns the concepts of graphs, sub graphs, spanning subgraph and spanning tree

CO-2: Study about factor, factorization, covering, matchings and colourings graphtopological indices.

CO-3: Gains knowledge in the concepts of chemical graph theory.

CO-4: students can experience modeling several real world problems

CO-5: Apply the concepts of graph theory in engineering, social sciences and in information technology

	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9
CO1	1	2	1	1	1	1	1	1	1	3	2	1	2	1
CO2	2	2	1	2	1	1	2	1	2	3	2	1	2	1
CO3	1	3	1	1	2	1	1	1	1	2	1	1	1	1
CO4	2	2	1	2	2	1	2	1	2	3	2	1	3	1
CO5	3	3	1	2	2	1	3	1	2	3	2	1	3	1

Paper-4.5: Advanced Numerical Analysis

CO-1: Study on numerical solutions of ODE: Initial value problems.

CO-2: Deeply study on multi step methods, convergence and truncation error.

CO-3: Gain knowledge about numerical solution of PDE: Elliptic, Parabolic and Hyperbolic equations.

CO-4: Learn various computational methods to solve ODE's and PDE's

CO-5: Apply these computational methods to solve the problems of fluid dynamics

	PO1	PO2	PO3	PO4	PO5	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6	PSO7	PSO8	PSO9
CO1	3	2	3	1	1	1	2	1	2	3	2	1	3	2
CO2	2	2	3	2	1	1	2	2	2	2	2	1	3	2
CO3	3	3	3	1	2	1	3	1	1	3	3	1	3	2
CO4	3	2	3	2	2	1	2	2	2	3	3	1	3	2
CO5	3	3	3	2	2	1	3	1	2	3	3	1	3	2

CERTIFICATE COURSE IN YOGA STUDIES

Programme

Overview Duration:

1 Year

CERTIFICATE COURSE IN YOGSA STUDIES is spread over one academic year imparting knowledge and skills about every facet of Yoga. This program has been designed for meeting the demand of the growing needs of experts in the fields of Yoga and related oriental treatments and therapies. The program brings together contemporary classroom learning techniques coupled with a traditional yogic gurukul way of life strengthening scientific evidence of the positive effects of yoga and meditation on human health.

Programme Outcomes

After successful completion of this programme, learner will be able to:

PO1: Integrate and apply knowledge of yoga and spiritual evolution for the practice of yoga as healthcare therapy.

PO2: Design advanced yoga based therapies to meet identified needs within economic, environmental and social constraints.

PO3: Demonstrate an understanding of professional ethics in yoga science to avoid biological controversies.

PO4: Promote the awareness for positive health and personality development in the society through yoga awareness programmes/training sessions.

PO5: Communicate effectively with specialized and non-specialized audiences about yoga therapeutics as part of their complementary approach to health care.

Programme Specific Outcomes

The learner will demonstrate knowledge and skills of yoga science necessary to become professional yoga trainer.

PSO1: The learner will be skilful in various yoga techniques to provide healthcare solutions for the benefit of the society at every stage of life.

PSO2: The learner will be able to demonstrate leadership qualities and entrepreneur skills by working and communicating effectively in interdisciplinary environment, either independently or in a team.

PSO3: The learner will be involved in life-long learning and professional development through self – education, continuing education or graduate and professional studies.

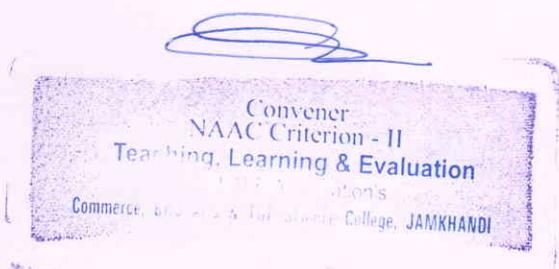
PSO4: The learner will engage in life-long learning and professional development through self-study, continuing education or professional and doctoral level studies.

Course Outcomes:

1. Explain the various definitions of Yoga, history of Yoga and branches of Yoga.
2. Describe kinds of Yogasanas, its importance, methods, rules, regulations and limitations.
3. Illustrate the relationship between Health and Yoga.
4. Demonstrate knowledge of pranayamas, pranaand lifestyle, breathing and lifespan.
5. Demonstrate various types of Yogasanasin their correct method of performance.

MAPPING of Cos with Po's and PSO's:

Cos\PO s and PSO's	PO1	PO2	PO3	PO4	PO5	PS01	PS02	PS03	PS04
CO1	3	3	3	3	3	3	1	2	1
Co2	3	3	3	3	2	3	1	1	2
Co3	3	2	3	3	2	3	2	2	2
CO4	3	1	3	3	2	2	3	2	1
CO5	3	2	3	3	2	2	3	1	1




Coordinator
IQAC
B.L.D.E. Association's
Commerce, B.H.S. Arts & T.G.P. Science College, Jamkhandi.
Ph : 08353 - 2235-4


PRINCIPAL
Com., B.H.S. Arts & T.G.P. Sci. College
JAMKHANDI. Dist. Bagalkot.