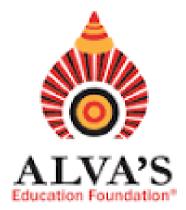# ALVA'S COLLEGE (AUTONOMOUS) MOODUBIDIRE

**1**



# PERSPECTIVE PLAN 2025-2026

**Sundari Anand Alva Campus, Vidyagiri Moodubidire 574227**

# Contents

| Sl. No. | Particulars |
|---------|-------------|
| 1 | About the College |
| 2 | Vision & Mission |
| 3 | Objectives |
| 4 | Curricular Aspects |
| 5 | Teaching –Learning Resources |
| 6 | Infrastructure up gradation |
| 7 | Student support & Progression |
| 8 | Research and Extension Activities |
| 9 | Governance, Leadership and Management |
| 10 | Innovation and Best Practices |

**Experts Involved in Planning :**

1. Mr.Kiran Vati K Asst.Professor St. Aloysius College, (Deemed to be University) Mangalore

2. Mr. Shiva Kumar & Ms. Shruptha Padiwal

3. Mrs. GayathreeKumary & Mrs. Shikha

4. Prof. Neelappa V

5. Dr.Prajna P.S,

6. Nikhil Rai

7. Manish Naik

8. Dr. Ravishankar KV Bangalore

9. Dr. R Ragunathan, Tamil Nadu

10. Mrs. GayathreeKumary

11. Mrs. Shikha

12. Dr. Srilatha rao, Professor, Department of chemistry, Nitte meenakshi Institute technology Bangalore.

13. Dr. Sukanya Mary Principal PPC Evening College, Udupi.

14. Dr. Suma T.R B.O.S Chairman, Mang.University H.O.D Hindi Dept. University College, Hampanakatta, Mangalore.

15. Dr. Mongsatabam Tuleswari Devi Asst. Professor in Manipuri Mayailambi College Yumnam Huidrom, Manipur.

16. Mr. Shiva Kumar

17. Ms. Shruptha Padiwal

18. Mr.Kiran Vati K Asst.Professor St.Aloysius College Deemed to be University Mangalore

19. Dr. Sreepada K.S. Professor and Chairperson, Dept. of Applied Zoology, Mangalore University, Mangalagangothri- 575199.

20. Dr. Reshma A. Shetty Assistant Professor, KSHEMA Centre for Genetic Services, CRL, K. S. Hegde Medical Academy, Deralakatte

21. Dr. Shubhakar Anchan PRO Niite Gajria Hospital Karkala

22. Mr. Prashantha Devadiga, Manager H.R. SKF Boilers and Driers Pvt. Ltd. Bannadka Belvai

23. Nagalingappa Pattar

24. Dr Adelaide Saldanha

25. Mr. Adarsh Shenoy

26. Mr. Srivathsa

27. Sandeep, Assistant Professor, Akkamahadevi University, Vijayapura

28. Prof Balasubramnya , Former Professor & Head, KUD

29. Prof Satish Kumar Andinje, Kuvempu University ( Optional)

30. Prof Sapna, Chairman, Dept Of MCJ, Mysore University

31. Shrigouri S Joshi, Assistant Professor, Amrita Vishwa Vidyapeetham Mysore 32. CA Umesh Rao

33. Dr. Prakash Pinto

34. Dr. Kushalappa

35. CA Anwesh

36. CA Kirana Kamath

37. Mr. Ganesh Rao CEO, Empowering People, Bangalore

38. Dr. Kushalappa S

# About the College

Alva's College is one among the 19 institutions under Alva's Education Foundation, has been established and promoted by Alva's Education Foundation(R) with a vision of serving the community since 1998. Alva's is a unique educational institution that embodies all academic, sports and cultural characters.  Alva's facilitates each student in their overall growth to link them closely with the corporate sector, higher education and research, administrative services (public sector), professional courses and entrepreneurship. The college has been awarded graded 'A' in its re-accreditation in the year 2018 by NAAC.

**Vision:**  Moulding a better tomorrow for fostering dynamic excellence in academic, culture and sports**.**

**Mission**

1. Providing physical and Intellectual Environment for Quality education.

2. Enhancing   Knowledge and integrating skill based Education for Employability

3. Infusing   Research ability, scientific temperament and innovations

4. Supporting digitalization of Educational pedagogy

5. Promoting the folk and classical art forms

6. Nurturing sports talents and creating systems for integrated development

7. Working for the inclusion of deprived and alienated-class in the society

8. Promoting human values and National Integration.

**Objectives:**

1. To sustain the status of 'Centre of Excellence' for higher learning
2. To address the needs of infrastructure development and regular maintenance of new and existing facilities
3. Providing quality education by creating, advancing and disseminating knowledge with collective wisdom
4. To achieve excellence through outstanding performance
5. To provide opportunities for the students to think, perform, and communicate in a critical, creative and effective manner.
6. To encourage multidisciplinary research and to respond to the emerging needs of the society
7. To encourage grants or contracts from industries/organizations, which fund research
8. To adopt technology to enhance teaching, learning, and research
9. To enhance academic  growth among female students, S/ST students and students with physically challenged
10. To strengthen the skills and employability among female students, S/ST students and students with physically challenged
11. To enhance and promote national consciousness and  Human values among staff and students

# Formulation Process of the Annual Plan

The annual plan of the college for the Academic year 2024-2025 has been prepared by IQAC with the assistance of the members of IQAC committee, Deans, HODs and Coordinators of UG and PG programmes, convenors of different cells and forums. The entire exercise has been envisioned keeping in view of the quality parameters laid down by NAAC for a holistic up gradation of higher educational Institution. 39 experts from different disciplines and 59 alumni were involved in the planning. The mode of execution shall be mainly through IQAC interventions to be decided from time to time as per resolutions taken in the IQAC committee meetings.

## CURRICULAR ASPECTS

**New Courses:**

1. B.Com. (Integrated with US CMA)
2. B.Com. (Integrated with CS)
3. B.Com. (Integrated with US CPA)
4. B.Com. (Integrated with CA)
5. B.COM (International Accounting)
6. B.COM (Banking and Insurance)
7. B.COM (Strategic Finance)
8. B.COM (Legal Compliance)
9. B.COM (International Finance)
10. B.COM (Business Data Analytics)
11. BCOM (Tax Procedure)
12. BCOM (Computer Application)
13. B.COM (Accounting & Audit)
14. BCA (Artificial Intelligence and Machine Learning)
15. BCA (Data Analytics)
16. B.Sc. (Mathematics, Computer Science, and Statistics)

# Bachelor of Commerce

## (Banking and Insurance)

### From the Academic Year 2025-26

### Department of Studies in Commerce

### Bachelor of Commerce (Banking and Insurance)

| | **Program Educational Objectives (PEOs)** |
|---|---|
| | The B. COM B&I program describe accomplishments that graduates are expected to attain within three to four years after graduation. |
| PEO1 | Provide knowledge of banking, insurance, and financial service principles and practices. |
| PEO2 | Develop analytical and problem-solving skills for the banking and insurance sectors. |
| PEO3 | Equip students with practical and technological competencies for the industry. |
| PEO4 | Instill ethical values, professionalism, and adaptability to industry changes. |
| PEO5 | Prepare graduates for higher education, certifications, and entrepreneurial ventures. |

**Programme Specific Outcomes (PSO) of B Com (Banking and Insurance) :**
After the successful completion of B.COM B&I program, the students are expected to

| PSO1 | Develop in-depth knowledge of banking operations, insurance policies, and financial markets |
|---|---|
| PSO2 | Analyze financial statements, assess risks, and make informed decisions in banking and insurance sectors. |
| PSO3 | Gain practical exposure to modern banking tools, insurance practices, and financial technologies. |
| PSO4 | Demonstrate ethical practices, regulatory compliance, and professionalism in financial services |
| PSO5 | Prepare for diverse career opportunities and professional certifications in banking, insurance, and allied services. |

**Programme Outcomes (PO) of B Com (Banking and Insurance) :**
After the successful completion of B.COM B&I program, the students are expected to

| PO1 | Develop a strong foundation in banking, insurance, and financial services concepts. |
|---|---|
| PO2 | Acquire analytical and problem-solving skills for financial decision-making. |
| PO3 | Understand the regulatory and legal framework of banking and insurance. |
| PO4 | Gain practical knowledge in banking, insurance operations, and risk management. |
| PO5 | Equip with technological skills for modern banking and insurance environments |
| PO6 | Foster ethical practices and professionalism in financial services. |
| PO7 | Encourage entrepreneurial thinking in financial services and consulting. |
| PO8 | Prepare for careers in banking, insurance, and financial consulting, or higher education |

Scheme of Teaching and Evaluation for B.Com (Banking and Insurance) Programme

| Semester-I | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Sl. No. | Course Code | Title of the Course | Category of Courses | Teaching Hours per week | SEE | IA | Total Marks | Credits |
| 1 | | Language–I | Lang | 4 | 80 | 20 | 100 | 3 |
| 2 | | Language–II | Lang | 4 | 80 | 20 | 100 | 3 |
| 3 | | Quantitative Aptitude – I | Core | 5 | 80 | 20 | 100 | 5 |
| 4 | | Fundamentals of Insurance | Core | 5 | 80 | 20 | 100 | 5 |
| 5 | | Principles of Accounting | Core | 5 | 80 | 20 | 100 | 5 |
| 6. | | Individual and Team Building / Principles and Practice of Life Insurance | Elective | 4 | 80 | 20 | 100 | 3 |
| 7 | | Constitutional values | Compulsory | 3 | 40 | 10 | 50 | 2 |
| Sub–total | | | | 30 | | | | 26 |

| Semester II | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Sl. No. | Course Code | Title of the course | Category of Courses | Teaching Hours per Week | SEE | IA | Total Marks | Credits |
| 1 | | Language–I | Lang | 4 | 80 | 20 | 100 | 3 |
| 2 | | Language–II | Lang | 4 | 80 | 20 | 100 | 3 |
| 3 | | Quantitative Aptitude – II | Core | 5 | 80 | 20 | 100 | 5 |
| 4 | | Insurance Law and Regulations | Core | 5 | 80 | 20 | 100 | 5 |
| 5 | | Financial Accounting | Core | 5 | 80 | 20 | 100 | 5 |
| 6. | | Personal Investment Management / Money and Financial System | Optional | 4 | 80 | 20 | 100 | 3 |
| 7 | | Environmental Studies | Compulsory | 3 | 40 | 10 | 50 | 2 |
| Sub–Total | | | | 30 | | | | 26 |

| Semester III | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Sl. No. | Course Code | Title of the Course | Category of Courses | Teaching Hours per Week | SEE | IA | Total Marks | Credits |
| 1 | | Language–I | Lang | 4 | 80 | 20 | 100 | 3 |
| 2 | | Language–II | Lang | 4 | 80 | 20 | 100 | 3 |
| 3 | | Logical Reasoning – I | Core | 5 | 80 | 20 | 100 | 5 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 4 | | Banking and Financial Awareness | Core | 5 | 80 | 20 | 100 | 5 |
| 5 | | Advanced Financial Accounting-I | Core | 5 | 80 | 20 | 100 | 5 |
| 6. | | Human Resource Development / Digital Marketing | Elective | 4 | 80 | 20 | 100 | 3 |
| 7 | | Cyber Law | Compulsory | 3 | 40 | 10 | 50 | 2 |
| Sub–Total | | | | 30 | | | | 26 |

### Semester IV

| Sl. No. | Course Code | Title of the Course | Category of Courses | Teaching Hours per Week | SEE | IA | Total Marks | Credits |
|---|---|---|---|---|---|---|---|---|
| 1 | | Language–I | Lang | 4 | 80 | 20 | 100 | 3 |
| 2 | | Language–II | Lang | 4 | 80 | 20 | 100 | 3 |
| 3 | | Logical Reasoning – II | Core | 5 | 80 | 20 | 100 | 5 |
| 4 | | Computer Applications in Business | Core | 5 | 80 | 20 | 100 | 5 |
| 5 | | Advanced Financial Accounting -II | Core | 5 | 80 | 20 | 100 | 5 |
| 6. | | Indian Banking System / Statistical Methods | Optional | 4 | 80 | 20 | 100 | 3 |
| 7 | | Entrepreneurship Development | Compulsory | 3 | 40 | 10 | 50 | 2 |
| Sub–Total | | | | 30 | | | | 26 |

### emester V

| Sl. No. | Course Code | Title of the Course | Category of Courses | Teaching Hours per week | SEE | IA | Total Marks | Credits |
|---|---|---|---|---|---|---|---|---|
| 1 | | Business Law | Core | 4 | 80 | 20 | 100 | 3 |
| 2 | | Cost and Mgt. Accounting-I | Core | 4 | 80 | 20 | 100 | 3 |
| 3 | | Income Tax Law and Practice | Core | 5 | 80 | 20 | 100 | 5 |
| 4 | | Financial Management | Core | 5 | 80 | 20 | 100 | 5 |
| 5 | | Corporate Accounting -I | Core | 5 | 80 | 20 | 100 | 5 |
| 6. | | Business Communication / E-Commerce | Elective | 4 | 80 | 20 | 100 | 3 |
| 7 | | Internship | Skill Enhancement | 3 | 40 | 10 | 50 | 2 |

**9**

| Sl. No. | Course Code | Title of the Course | Category of Courses | Teaching Hours per week | SEE | IA | Total Marks | Credit |
|---|---|---|---|---|---|---|---|---|
| | | Sub–Total | | 30 | | | | 26 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|

| | | | Semester VI | | | | | |
|---|---|---|---|---|---|---|---|---|

| Sl. No. | Course Code | Title of the Course | Category of Courses | Teaching Hours per week | SEE | IA | Total Marks | Credit |
|---|---|---|---|---|---|---|---|---|
| 1 | | Indian Corporate Law | Core | 4 | 80 | 20 | 100 | 3 |
| 2 | | Cost and Mgt. Accounting-II | Core | 4 | 80 | 20 | 100 | 3 |
| 3 | | Goods and Service Tax and Customs Duty | Core | 5 | 80 | 20 | 100 | 5 |
| 4 | | Advanced Financial Management | Core | 5 | 80 | 20 | 100 | 5 |
| 5 | | Corporate Accounting -II | Core | 5 | 80 | 20 | 100 | 5 |
| 6. | | Auditing / Risk Management | Elective | 4 | 80 | 20 | 100 | 3 |
| 7 | | Research Methodology | Skill Enhancement | 3 | 40 | 10 | 50 | 2 |
| | | Sub–Total | | 30 | | | | 26 |

Semester-I
QUANTITATIVE APTITUDE-I

5 Hours per week                                                                    60 Hours

COURSE OUTCOMES:

After completing the course, the student will be able to

1. Gain the ability to analyze univariate data by calculating measures like range, quartile deviation, mean deviation, standard deviation, variance, and coefficient of variation.
2. Connect a formal quantitative approach to problem solving and decision-making.
3. Utilize the idea of index numbers to comprehend current market conditions
4. Compute the ratios, proportions, discounts, and percentages that are utilized in business.

*COURSE CONTENTS:*

| Module | Particulars | No of hrs |
|---|---|---|
| Module 1 | Introduction and Basic Concepts<br>Introduction to Statistics: Meaning and Definitions (Singular and Plural), Types of Data and Variables, Measures of Central Tendency-Arithmetic Mean-Properties (Combined Mean Included), Median and Mode. | 12 |
| Module 2 | Descriptive Statistics of Univariate Distribution<br>Measures of dispersion, Absolute and Relative Measures, Types-Range, Quartile deviation, Mean deviation, Standard Deviation. Coefficient of Variation and Variance | 12 |
| | Index Numbers<br>Meaning and Uses of Index Numbers, Steps in the Construction of Index Numbers, Construction of Index Numbers: Simple and Weighted Average of Price Relatives, Weighted Aggregative Method: Laspeyres's, Paasche's, and Fisher's Index Numbers Tests of | |

| | | |
|---|---|---|
| Module 3 | consistency of index number, time reversal, and factor reversal. Consumer Price Index Number: Aggregative Expenditure Method and Family Budget Method. | 12 |
| Module 4 | Number System and Indices<br>Introduction- Natural Numbers, Whole Numbers, Integers-Prime numbers -Rational and Irrational Numbers (simple Problems on sum of Natural numbers…….) Real Number- HCF and LCM Calculations. Indices and Laws of Indices: Problems | 12 |
| Module 5 | Commercial Arithmetic<br>Concept of Percentages- problems on Profit/Loss,, Simple Interest, Compound Interest, Nominal and Effective Rate of Interest, Cash Discount and Trade Discount. | 12 |

Skill Development Activities
1. Visit the college office and collect data regarding student strength, results, etc. and analyze the same using statistical techniques.
2. Visit any Commercial Bank in your area and collect the information about types of loans and the rates of interest on loans
3. Use consumer price data to create and interpret index values in order to analyze inflation and economic trends.
4. Any other Activities which are relevant to the course

Books for Reference:
1. Business Statistics- S.C. Gupta
2. Business Mathematics- D.C. Sanchete & V.K. Kapoor, Sulthan Chand and sons
3. Business Statistics- S.P. Gupta, S.E. Gupta, B.N. Gupta
4. Business Mathematics-Madappa and Sridhara Rao, Shubhash Publications
5. Business Mathematics, S. N Doraira, United Publication
6. Financial Mathematics, A Lenin Jyothi, Himalaya Publications,Mumbai
7. Business Statistics & Mathematics, Vittal
8. Business Mathematics – S.P Gupta
9. Business Mathematics – Dr. Amarnath Dikshit & Dr. Jinendra Kumar Jain, Himalaya Publications
10. Business Mathematics – Kashyap Trivedi, Chirag Trivedi, Pearson Publications
11. Comprehensive Statistical Methods – P.N. Arora, Sumeet Arora & S.Arora, Chand Publications

| Course Code: | | |
|---|---|---|
| Title of the Course: FUNDAMENTALS OF INSURANCE | | |
| (Core Course) | | |
| Course Credits | No. of Hours per Week | Total No. of Teaching Hours |
| 5 Credits | 5 hours | 60 hours |
| SEE | CIE | Total Marks |
| 80 | 20 | 100 |

Pedagogy: Classrooms lecture, Tutorials, and Problem Solving.

Course Outcomes: On successful completion of the course, the students will be able to;
1) Understand the purpose, need, and role of insurance in providing social security and contributing to economic development.
2) Gain knowledge of the procedures and prerequisites for becoming an insurance agent, including licensing and code of conduct.
3) Learn the key functions of an insurance agent, including underwriting, proposal processing, and settlement of policy claims.
4) Analyze the organizational structure, promotional strategies, and actuarial aspects of insurance companies, including product pricing.
5) Understand the fundamental principles and types of insurance, including life, marine, fire,

medical, and general insurance, and the concept of insurance interest.

| Syllabus | Hours |
|---|---|
| Module 1: Introduction to Insurance | 12 hours |
| Introduction to insurance: Purpose and need of insurance: Insurance as a social security tool; insurance and economic development. | |
| Module 2: Principles of Insurance | 12 hours |
| Fundamental/Principles of life Insurance/Marine/Fire/Medical/General Insurance: Contract of various kinds; Insurance Interest | |
| Module 3: Insurance Agent-Introduction | 12 hours |
| Procedures for Becoming an Agent: Pre- requisite for obtaining a license: Duration of license; Cancellation of license; Revocation or suspension/termination of agent appointment; Code of conduct; Unfair practices. | |
| Module 4: Insurance Agent-Functions | 12 hours |
| Functions of the Agent: Proposal form and other forms for grant of cover; Financial and medical underwriting; Material information; Nomination and assignment; Procedure regarding settlement of policy claims. | |
| Module 5: Strategies of Insurance Company | 12hours |
| Company Profile: Organizational set-up of the company; Promotion strategy; Market share; Important activities; Structure; Product; Actuarial profession; Product pricing - actuarial aspects; Distribution channels. | |

Books For Reference:
1) Fundamentals of Insurance- Dr. Periyasamy, Himalaya Publishing Pvt Ltd, Mumbai
2) Insurance Regulatory Development Act 1999
3) Life Insurance Corporation Act 1956.
4) Principles of Insurance" by M.N. Mishra
5) "Insurance Principles and Practice" by P.K. Gupta
6) "Fundamentals of Insurance" by Nashit A.
7) "Principles of Risk Management and Insurance" by George E. Rejda
8) "Insurance: Principles and Practice" by H.S. Bhatia
9) "Life Insurance" by M. N. Mishra & S. B. Mishra
10) "Insurance and Risk Management" by P.K. Gupta
11) "Insurance: A Business Perspective" by A. K. Sharma
    Related Online Contents [MOOC, SWAYAM, NPTEL, Websites etc.]
1. https://www.youtube.com/watch?v=xojTrXb4qTg

| Course Code: Title of the Course: PRINCIPLES OF ACCOUNTING (Core Course) | | |
|---|---|---|
| Course Credits | No. of Hours per Week | Total No. of Teaching Hours |
| 5 Credits | 5 hours | 60 hours |
| SEE | CIE | Total Marks |
| 80 | 20 | 100 |

| Pedagogy: Classroom Lectures, Tutorials, Seminar etc. | |
|---|---|
| Course Outcomes: On successful completion of the course, the students will be able to | |

a) Understand the mechanism of accounting as well as accounting standards
b) Pass journal entries and prepare ledger accounts
c) Prepare subsidiary books
d) Understand the depreciation accounting
e) Prepare trial balance and final accounts of sole proprietary concern

| Syllabus | Hours |
|---|---|
| Module 1: Introduction to Accounting | 12 hours |
| Meaning, Definition- Objectives of Accounting- Importance of accounting-Users of accounting information- -Accounting cycles-Accounting principles-Accounting concepts and accounting conventions – Accounting standards- Objectives - Significance of accounting standards – List of Indian Accounting standards- Accounting software-Tally software, ERP system, Billing and invoicing system, Payroll management system. | |
| Module 2: Accounting Process | 12 hours |
| Recording of transactions under double entry system - Journal - Ledger- Balancing of Accounts-Trial Balance, Problems on Journal, Ledger Posting and Preparation of Trial Balance. | |
| Module 3: Subsidiary Books | 12 hours |
| Meaning- Significance- Types of Subsidiary Books –Preparation of Purchase Book, Sales Book, Purchase Returns Book, and Sales Returns Book- Types of Cash Book- Simple Cash Book, Double Column Cash Book, Three Column Cash Book and Petty Cash Book - Problems on Three Column Cash Book and Petty Cash Book. | |
| Module 4: Depreciation Accounting | 10hours |
| Meaning and definition – Causes - Methods of charging depreciation- Original Cost Method-Written Down Value Method and Annuity Method (excluding change of methods) | |
| Module 5: Preparation of Final Accounts of Sole Proprietary Concerns (non-manufacturing entities). | 14 hours |
| Preparation of final accounts of non-manufacturing entities- Preparation of Trading and Profit and Loss Account-items appearing in Trading and Profit and Loss Account, closing entries, Important Adjustments-Bad Debts, Provision for Bad and doubtful debts, Provision for Discount on Debtors, and Provision for Discount on Creditors and charging of depreciation, loss of stock by fire. Preparation of Balance sheet-meaning and features. Classification of assets and liabilities-current assets, Long term assets and intangible assets; liabilities-current liabilities and long term liabilities. | |
| Books for Reference: | |

1. B.S. Raman – Financial Accounting I & II, United Publishers
2. Dr. P.C Thulsian- Financial Accounting, S. Chand & Co.
3. Dr. V. K. Goyal- Financial Accounting, Excel Books
4. K.S Adiga – Financial Accounting I & II, Shubhadri Books
5. Maheshwari S. N - Advanced Accountancy, Vikas Publishing House
6. R. L. Gupta - Principles & Practices of Accountancy, Sultan Chand & sons
7. Shukla M.C & T. S Grewal - Introduction to Accounting
8. S.P. Jain & Narang K. L - Financial Accounting, Kalyani Publishers

Individual and Team Management

4 Hours per week                                                                              48 Hours

COURSE OUTCOMES:

After studying this course the students can

1. Become effective in their day to day transactions.

2. Develop interpersonal skills
3. Enhance individual resourcefulness in all walks of life and thereby improve the quality of their thinking and become self-motivated in their personal dealings.

COURSE CONTENTS:

| Module | Particulars | No of hrs |
|---|---|---|
| Module 1 | **Managerial Effectiveness and Inter-Personal Skills:**<br><br>Meaning of Managerial Effectiveness, Essentials for Managerial Effectiveness and Importance of ME for an organization. Meaning of Inter-personal skills – Importance, Essentials IP skills – communication, clarity, empathy, etc., developing IP Skills –Assertiveness, Responsibility, Managing conflicts & factors hampering IP Skills, self-development goals & its relevance in the present time | 12 |
| Module 2 | **Stress & Time Management:**<br><br>Meaning of Stress, Sources of stress – Internal, external and types, Effects of stress & burnout – effect on environment and personal life. Strategies for coping with Stress – Avoiding and fighting stress, maintaining Work life balance – its importance and benefits.<br>Importance of Time Management, Analysis of Time – time logs, Time wasters & time Abusers, Planning Time and Resources – Need & strategies for planning time – Matrix of Time Management, Setting Goals and objectives – Advantages and setting SMART goals and planning to achieve goals – Scheduling, Delegating and controlling time-wasters. | 12 |
| Module 3 | **Creativity & Emotional Intelligence in Management:**<br><br>Meaning of Creativity & Innovation, Stage of Creativity, Importance of Creativity, Barriers to Creative thinking, Developing Creativity and techniques of enhancing creativity – Brainstorming, Six Thinking Hats & Mind Mapping.<br>Nature of Emotional Intelligence (EI), Definition of emotions –empathy, fear, anger and depression, Components of Emotional<br><br>Intelligence, analysing the importance of emotions in the workplace – Negative and Positive emotions and Characteristic features of people with High IQ or High EQ. | 12 |
| Module 4 | **Working in Teams:**<br>Meaning of Team & Team work, Importance of teamwork, Challenges of working in a Team, Characteristics of a successful team, Team dynamics vs Group dynamics, Employee engagement, 5C's & 4P's of Team building, Collaboration – meaning, benefits and tips to improve workplace collaboration. | 12 |

Skill development:
1. Collecting the list of Best practices of enhancing managerial effectiveness of a few corporates.
2. Analysing the different techniques used by corporates in promoting work life balance amongst its employees.
3. Preparing a Time log of 24 hours for every student and providing feedback as to its improvement for better productivity
4. Application of Creativity techniques in a learners day to day social transactions
5. Team building games can be conducted on specific characteristics of a successful Team.

Books & Materials for Reference: (Text Books and Websites for additional reading)
1. The Effective Executive: Peter Drucker – Harper Collins
2. Workplace Stress – Concepts and Cases: Gopal V V – ICFAI University Press
3. Managing Time: David Fontana – BPS Books, New Delhi
4. The Seven Habits of Highly Effective People: Stephen R Covey – Simon & Schuster
5. The On-time, On Target Manager: Ken Blanchard and Steve Gottry – Harper Collins
6. Getting Things Done – The Art of Stress Free Productivity: David Allen – Penguin Books
7. Lifelong Creativity – An Unending Quest: Pradip N Khandwalla, Tata McGraw Hill.
8. Emotional Intelligence: Why It Can Matter More Than IQ: Daniel Goleman, Bantam Books.
9. How to Win Friends and Influence People: Dale Carnegie – Simon & Schuster
10. https://www.sessionlab.com/blog/team-building-activities/
11. https://asana.com/resources/team-building-games
12. https://teambuildinghub.com/team-building/activities-games/quick-team-building/h

| Course Code: |
| --- |
| Title of the Course: PRINCIPLES AND PRACTICES OF LIFE INSURANCE (Elective) |

| Course Credits | No. of Hours per Week | Total No. of Teaching Hours |
| --- | --- | --- |
| 4 Credits | 4 hours | 60 hours |
| SEE | CIE | Total Marks |
| 80 | 20 | 100 |

Pedagogy: Classroom Lectures, Tutorials, Seminar etc.

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

1. Examine the basic concepts of Life Insurance Law
2. Explain different types of Policies
3. Emulate rules governing Underwriting
4. Interpret the importance of Financial Planning and Tax Saving.
5. Outline Grievance and Redressal pertaining to Life Insurance.

| Syllabus | Hours |
| --- | --- |
| Module 1: I n t r o d u c t i o n | 12 hours |
| Meaning of Life Insurance – The Evolution and Growth of Life Insurance – Basic Principles of Insurance – Life Insurance Organizations in India – Competition and Regulation of Life Insurance. | |
| Module 2:    Life Insurance Policies | 12 hours |

| Types of Life Insurance Policies – Term Life Insurance – Whole Life Insurance – Endowment Life Insurance – Unit Linked Policies with or without Profit Policies –Customer Evaluation – Policy Evaluation –Group and Pension Insurance Policies – Special features of Group Insurance/ Super Annuation Schemes – Group Gratuity Schemes – Annuity – Types. | |
|---|---|
| Module 3:    Underwriting | 12 hours |
| Underwriting: The need for underwriting – Guiding principles of Underwriting – Factors affecting Insurability – Methods of Life Classification – Laws affecting Underwriting. | |
| Module 4: Life Insurance Premium | 12hours |
| Premium defined –Computation of Premiums – Mortality Table - Mode of Rebates – Large sum assured Rebates – Premium Loading – Rider Premiums – Computation of Benefits – Surrender value – Paid up value – Settlement of claims: Intimation procedure, documents and settlement procedures. | |
| Module 5:Tax Laws and Life Insurance | 12 hours |
| Financial Planning and taxation: Tax Laws and Life Insurance – Stamp Duties | |

E-RESOURCES:
1. www.licindia.com
2. www.insurancepandit.com
3. www.insurancebrokerindia.com
4. www.insuranceinstituteofindia.com
5. www.insureatclick.com

Semester-II

## QUANTITATIVE APTITUDE – II

5 Hours per week                                                                 60 Hours

COURSE OUTCOMES:

After completing the course, the student will be able to
1. Establish relationships between variables in real-world situations by using methods like regression and correlation.
2. Use the ideas from probability distributions to solve practical issues.
3. Predict future results using time series
4. Recognise the relationship between two variables and how to use ratios and proportions to express it.

COURSE CONTENTS:

| Module | Particulars | No of hrs |
|---|---|---|
| Module 1 | Descriptive Analysis of Bivariate Data:<br><br>Correlation- Meaning and Definition, Linear and Non-linear correlation, Correlation and causation, Scatter Diagram, Karl Pearson's Co-efficient of Correlation, Calculation and Spearman's Rank Correlation. | 12 |
| Module 2 | Regression Analysis:<br>Regression Analysis- Principle of Least Squares and Regression lines, Regression equations and estimation. Properties of Regression Coefficients. | 12 |

| | | |
|---|---|---|
| Module 3 | Time Series Analysis md Theory of Probability:<br>Meaning and uses of Time Series, Various components of Time series, determination of Trend using Moving Average and Least square method Theory of Probability: Some important concepts, Addition Theorem of probability for two non-mutually and mutually exclusive events -<br>Multiplication theorem of probability for dependent and independent events. Simple problems | 12 |
| Module 4 | Ratios and Proportions and Theory of Equations:<br>Definition- Equality of Ratio- Simple Problems. Proportion- definition-<br>Direct Proportion-Inverse Proportion- Continued Proportion- Problems on proportions | 12 |
| Module 5 | Equations: Definition - Degree of Equation. Types of Equation - Linear equations and its solution-Simultaneous linear equations-Quadratic equation-Solution by method of factorisation and formula method.<br>Permutation and Combinations:<br>Factorial Notations- permutations of n different things-Circular permutations- Permutation of things not all different- Restricted<br>Permutation-Simple problems. Combinations - Simple problems based on formula. | 12 |

Skill Development Activities
1. Determine the strength and direction of the relationship between advertisement expenditure and sales income by computing the correlation coefficient.
2. Use historical sales data to create a simple linear regression model to predict future sales based on advertisement expenditure.
3. Utilize a time series model to analyze monthly sales data to identify trends and seasonal patterns and generate a forecast for the upcoming year.
4. Instruct the students to use their knowledge of ratios to determine how much of each ingredient they would require to make the recipe for exactly the number of people in the group
5. The task involves resolving a shelf arrangement issue to maximize visibility by utilizing permutations and combinations to explore various arrangements

Books for Reference:
1. Business Statistics- S.C. Gupta
2. Business Mathematics- D.C. Sancheti & V.K. Kapoor, Sulthan Chand and sons
3. Business Statistics- S.P. Gupta, S.E. Gupta, B.N. Gupta
4. Business Mathematics-Madappa and Sridhara Rao, Shubhash Publications
5. Business Mathematics, S. N Dorairaj, United Publication
6. Financial Mathematics, A Lenin Jyothi, Himalaya Publications, Mumbai
7. Business Mathematics – S.P Gupta
8. Business Mathematics – Dr. Amarnath Dikshit & Dr. Jinendra Kumar Jain, Himalaya Publications
9. Business Mathematics – Kashyap Trivedi, Chirag Trivedi, Pearson Publications
10. Comprehensive Statistical Methods – P.N. Arora, Sumeet Arora & S.Arora, Chand Publications

| Course Code: |
|---|
| Title of the Course: INSURANCE LAW AND REGULATIONS |

| Course Credits | No. of Hours per Week | Total No. of Teaching Hours |
|---|---|---|
| 5 Credits | 5 hours | 60 hours |
| SEE | CIE | Total Marks |

| 80 | 20 | 100 |
|---|---|---|

Pedagogy: Classroom Lectures, Tutorials, Seminar etc.

Course Outcomes: On successful completion of the course, the students will be able to
1. Examine the basic concepts of Insurance Law.
2. Interpret the importance of Insurance.
3. Emulate rules governing Insurance sector
4. Explain different types of Insurance.
5. Outline Grievance and Redressal pertaining to Insurance

| Syllabus | Hours |
|---|---|
| Module 1: Contract of Insurance | 12 hours |

Insurance as a contract -Legal principles: Principle of indemnity, Insurable interest, Subrogation, and Utmost good faith - History of Insurance Legislation in India — Life Insurance Corporation Act 1956 – General Insurance Business Nationalization Act 1973.

| Module 2:    Legal Environment | 12 hours |
|---|---|

Current Legal Environment – Insurance Act 1938 (as amended) & Insurance Regulatory & Development Act - An Overview – Insurance Sector Reforms - The Insurance Regulatory Development Authority (IRDA) Act, 1999 – IRDA (Investment) Regulations 2000.

| Module 3:    IRDA | 12 hours |
|---|---|

Licensing functions of IRDA-Code of Conduct, Qualifications , functions, Validity and Renewal of license applicable to Brokers, Agents and Corporate Agents – Regulations for Third Party Administrators(TPA) –Procedure for obtaining a license – revocation and cancellation – code of conduct and maintaining confidentiality by TPA –Code of Conduct and Categorization of Surveyors-licensing procedures – Duties and Responsibilities and practical training

| Module 4: Regulatory Aspects | 12hours |
|---|---|

Financial Regulatory aspects of Solvency margin – Reserves maintained by Insurance companies – Management of reserves – Stakeholders – Types of Technical Reserves – Reserving Process followed by Insurance Companies – Premium Investment strategies

| Module 5: Dispute Resolution Mechanism | 12 hours |
|---|---|

Dispute Resolution Mechanism – Consumer protection Act – Feature and Structure - Appeals and penalties - Ombudsman –Nature of complaints - Pre requisite for filing Complaints

Books for Reference:
1. Avtar Singh, (2008), Law of Insurance, Universal Publication Pvt. Limited.
2. IC14 - Regulations of Insurance Business, Insurance Institute of India Publication.
3. Mishra, K.C. and Bakshi, M, (2017), Legal and Regulatory Aspects of Insurance, Cengage learning, Delhi.
4. Murthy K.S.N, Sharma K.V.S, (2013), Modern Law of Insurance, Lexis Nexis Butterworths, 5th Edition.
5. Murthy, A, (2016), Elements of Insurance, Margham Publications, Chennai.
6. Srinivasan, M. N, (2017), Principles of Insurance Law (Life - Fire - Marine - Motor and Accident), Eastern Book Company, 10th Edition.

Course Code:
Title of the Course: FINANCIAL ACCOUNTING
(Core Course)

| Course Credits | No. of Hours per Week | Total No. of Teaching Hours |
|---|---|---|
| 5 Credits | 5 hours | 60 hours |
| SEE | CIE | Total Marks |
| 80 | 20 | 100 |

Pedagogy:  Classrooms lecture, Tutorials, and Problem Solving.

Course Outcomes: On successful completion of the course, the students will demonstrate the ability to independently:
1. Prepare accounts for the Non-Profit Organizations
2. Understand the procedure of rectifying the errors committed and to set right the accounting records
3. Understand and compute the amount of claims for loss of stock and loss of profit.
4. Know the features and  accounting treatment of Joint Ventures
5. Identify the main causes for difference between the bank statement balance and the Cash book balance.

| Syllabus | Hours |
|---|---|
| Module 1:    Financial Statements of Non-Profit Organisations | 14 hours |
| Final Accounts of Not for Profit Organisations: Meaning & Characteristics of Non- Profit Organisations Meaning of Capital & Revenue Income & Expenditure – Deferred Revenue Expenditure Meaning of Receipts & Payment Account, Income & Expenditure Account and Balance Sheet. Differences between Income & Expenditure Account and Receipt and Payments Account. Preparation of Income & Expenditure and Balance Sheet when Receipts & Payment Account is given with adjustments for existing and new organisations. | |
| Module 2:    Rectification of Errors | 12 hours |
| Types of Errors – Rectification of Errors – Before preparing the Trial Balance – After preparing the Trial Balance – Suspense Account – After preparing the Final Accounts. | |
| Module 3:    Fire Insurance Claims | 10 hours |
| Introduction-Meaning of Fire-Computation of Claim for loss of Stock Computations of claim for loss of profit –Average clause | |
| Module 4:    Joint Venture Accounts | 12 hours |

Meaning and Characteristics of Joint Venture – Problems on Joint Venture; Recording Joint Venture Transactions in a separate set of Books with a joint Bank Account.

| Module 5: Bank Reconciliation Statement | 12hours |
|---|---|

Bank Reconciliation Statement: Meaning and Need-Preparation of Bank Reconciliation Statement-Reason for Difference between Cash Book and Pass Book balance.

Skill Developments Activities:
1. Study the procedure of Claim settlement in Fire Insurance.
2. Prepare Bank Reconciliation Statement with imaginary figures.
3. Collect the Financial Statement of a Non Profit organisation and Record it.
4. Any other Activities, which are relevant to the Course.

Books For Reference:
1) Jain and Narang, Advanced Accountancy.
2) R.L Guptha and M. Radhaswamy, Advanced Accountancy, Sultan Chand &Sons.
3) S.N .Maheshwari, Advanced Accountancy.
4) Asok K. Nadhan, Tally ERP 9 Training Guide, BPB Publications; 4th Edition, 2018.
5) Advanced Accounting – B.S Raman
6) B.S. Raman – Financial Accounting I & II, United Publishers

Course Code:
Title of the Course: Money & Financial System

| Course Credits | No. of Hours per Week | Total No. of Teaching Hours |
|---|---|---|
| 3 Credits | 4hours | 60 hours |
| SEE | CIE | Total Marks |
| 80 | 20 | 100 |

Pedagogy: Classroom Lectures, Tutorials, Seminar etc.

| Syllabus | Hours |
|---|---|
| Module 1: Money: Functions | 12 hours |

Finance: Role of Finance in an economy: Kinds of finance: Financial System: Components: Financial intermediaries: Markets and instruments and their functions

| Module 2: Indian Banking System | 12 hours |
|---|---|

Definition of bank: commercial Banks-Importance and functions: structure of commercial banking system in India: Balance sheet of a Bank: Meaning and importance of main liabilities and assets: Regional rural banks: Cooperative banking in India.

| Module 3: Money Supply | 12 hours |
|---|---|

Alternative measures to money supply in India-their different components: Meaning and changing relative importance of each: High powered money-meaning and uses: Sources of changes in high powered money.
Process of credit creation by banks: Credit creation process: Determination of money supply and total bank credit.

| Module 4: Development Banks | 12hours |
|---|---|

Development Banks and other Non-Banking Financial Institution : Their main features: Unregulated credit markets in India-main feature.

| Module 5:  The Reserve Bank of India | 12 hours |
|---|---|
| The Reserve Bank of India: Functions: Instruments of monetary and credit control: main features of monetary policy since independence. | |

Books for Reference:
1. Money and Financial Systems- Dr. Sathish Kumar Saha- SBPD Publications
2. Principles of Money, Banking, and Financial Markets" by Lawrence S. Ritter, William L. Silber, and Gregory F. Udell.
3. "The Economics of Money, Banking, and Financial Markets" by Frederic S. Mishkin.
4. Indian Financial System" by M.Y. Khan.
5. "Financial Markets and Institutions" by Jeff Madura.

E-Resources:
1) https://corporatefinanceinstitute.com/resources/wealth-management/financial-system/
2) National Digital Library of India (https://ndl.iitkgp.ac.in)
3) Project Gutenberg (https://www.gutenberg.org)
4) Reserve Bank of India (https://rbi.org.in)
5) Securities and Exchange Board of India (https://sebi.gov.in)
6) Ministry of Finance, Government of India (https://financialservices.gov.in)

Course Code:
Title of the Course: Personal Investment Management

| Course Credits | No. of Hours per Week | Total No. of Teaching Hours |
|---|---|---|
| 3 Credits | 4hours | 60 hours |
| SEE | CIE | Total Marks |
| 80 | 20 | 100 |

Pedagogy:  Classroom Lectures, Tutorials, Seminar etc.

Course Outcomes:  On successful completion of the course, the students will be able to
1. To know various avenues of Personal Savings and Investment Management
2. Explain investments and differentiate them from savings, speculation, and gambling.
3. Identify investment goals, constraints, and risk tolerance.
4. Evaluate precautionary investments like health insurance, life insurance, and pension funds.
5. Analyze tax-saving and savings schemes (e.g., bank deposits, PPF, NSC).
6. Understand mutual funds, calculate NAV and returns, and assess performance using financial metrics.
7. Comprehend stocks, bonds, and stock market operations, including SEBI guidelines.

| Syllabus | Hours |
|---|---|
| Module 1:  Introduction to Investments | 12 hours |
| Meaning of Investments, Difference between Savings and Investment; Difference between Investment, Speculation and Gambling. Investment Goals;Investment Constraints. Identifying Risk Tolerance | |
| Module 2:    Pre-cautionary Investments | 12 hours |
| Health Insurance: Types, operations and procedure. Life Insurance: Origin, Types, Operations and Procedures, Selection of Type of Insurance Policy. Pension Funds. | |
| Module 3:    Tax Saving Schemes and Savings Schemes | 12 hours |
| Bank Deposits, Post-office Saving Schemes, NDFC Deposits, Kisan Vikas Patra, National Savings Certificates, Employee Provident Fund, Public Provident Fund. | |
| Module 4:  Mutual Funds | 12hours |

| | | |
|---|---|---|
| Introduction to Mutual Funds, Historical background of Mutual Funds in India, Classification of Mutual Funds. <br> Selection of Mutual Funds – criteria for selection. Calculation of Net Asset Value. Calculation of Mutual Fund Returns for Dividend Payment Plan, Dividend Reinvestment Plan, Bonus Plan and Growth Plan. <br> Performance Criteria – Sharpe‟s Measure, Treynor‟s Measure and Jensen‟s Alpha. | | |
| Module 5: Stocks and Bonds | | 12 hours |
| Meaning of Shares and Stock, Bonds – Features and Types of Bonds. Stock Market Operations; SEBI Guidelines – KYC guidelines. | | |

Books for Reference:

1. Chandra, Prasanna (2008), "Investment Analysis and Portfolio Management", Tata McGraw Hill Publishing Limited, 3rdEdition.
2. Rao, Balaji, "Financial Markets and Investment Instruments – An Industry Integrated Working Knowledge Study Material", Balaji Rao Publishers.
3. Bhalla, V.K. (2006); "Investment Management", S. Chand; 12thEdition.
4. Avadhani V.A (2006), "Securities Analysis and Portfolio Management", Himalaya Publishing House, Eighth Revised Edition.
5. Ranganatham and Madhumathi (2005); "Investment Analysis and Portfolio Management", Pearson Education, First Edition.
6. Pandian, Punithavathy (2007); "Security Analysis and Portfolio Management", Vikas Publishing House Private Limited, Fifth ReprintEdition.
7. Kevin (2008); "Security Analysis and Portfolio Management", Prentice Hall of India Private Limited, First ReprintEdition.
8. Maheshwari, Yogesh (2008); "Investment Management", PHI Learning Private Limited, First Edition.
9. "Stock Market Book" (2005); Dalal Street Journal.
10. "TheLayman‟sGuidetoMutualFunds"(2004),OutlookPublishing(India)Private Limited, First Edition.

**State Education Policy–2024 [SEP-2024]**
**CURRICULUM STRUCTURE FOR**
**BACHELOR OF COMPUTER APPLICATIONS**
**BCA-ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING**

# BCA(A.I&M.L)

| Sem | Course1 | Course2 | Course3 | Elective/ Optional | Course | Language | Compulsory | Total Credit | Total Working hour |
|---|---|---|---|---|---|---|---|---|---|
| I | 5 (3T+2P) | 5 (3T+2P) | 5 T | | | 3+3 | 2 | 23 | 4+4+4+4+5+4+4+2 =31 |
| II | 5 (3T+2P) | 5 (3T+2P) | 5T | | | 3+3 | 2 | 23 | 4+4+4+4+5+4+4+2 =31 |
| III | 5 (3T+2P) | 5 (3T+2P) | 5T | 2 | | 3+3 | | 23 | 4+4+4+4+5+4+4+2 =31 |
| IV | 5 (3T+2P) | 5 (3T+2P) | 5T | 2 | | 3+3 | 2 | 25 | 4+4+4+4+5+2+4+4+2 =33 |
| V | 8[(2x3T) + 2P] | 8[(2x3T) + 2P] | 8[(2x3) + 2P] | | | | 2 | 26 | 3+3+4+3+3+4+3+3+4+2 =32 |
| VI | 3T | 3T | 3T | | 3T | Project work 12 | | 24 | 3+3+3+3+24 =36 |

| | | 144 | |
|---|---|---|---|

Note:

- Course1andCourse2:I to IV Semester: Theory 3credit=4contact hours & Practical 2 credit=4 contact hours
- Course3:ItoIV Semester: Theory 5credit=5contact hours
- Course1,Course2andCourse3:V and VI Semester:Theory3credit=3contact hours& Practical 2 credit=4 contact hours
- Elective/Optional:2credit=2contact hours
- Languages:3credit=4 contact hours
- Compulsory:2credit=2contact hours

## CURRICULUM STRUCTURE FOR I TO VI SEMETER BCA- ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

| | | Semester I | |
|---|---|---|---|
| Sl. No | Course Code | Title of the Course | Category of |
| 1 | | Language-I | Lan |
| 2 | | Language-II | Lan |
| 3 | BCA – AIML-1.1 | Fundamentals of Information Technology | Co |
| 4 | BCA - AIML -1.2 | Problem Solving using C | Co |
| 5 | BCA - AIML -1.3 | Computational Mathematics | Co |
| 6 | BCA- AIML -1.4 | Fundamentals of Information Technology Lab | Pract |
| 7 | BCA - AIML –1.5 | C Programming Lab | Pract |
| 8 | | Constitution/ Values | Compu |
| | | Sub - Total | |

| | | Semester II | | Te Ho V |
|---|---|---|---|---|
| Sl. No | Course Code | Title of the Course | Category of Courses | |
| 1 | | Language-I | Lang | |
| 2 | | Language-II | Lang | |
| 3 | BCA - AIML –2.1 | Data Structure using C | Core | |
| 4 | BCA- AIML –2.2 | Database Management System | Core | |

**23**

| 5 | BCA-AIML –2.3 | Computer Architecture | Core | |
|---|---|---|---|---|
| 6 | BCA - AIML –2.4 | Data Structures Lab | Practical | |
| 7 | BCA - AIML –2.5 | Database Management System Lab | Practical | |
| 8 | | Constitution/ Values | Compulsory | |
| Sub - Total | | | | |

Semester III

| Sl. No | Course Code | Title of the Course | Category of Courses |
|---|---|---|---|
| 1 | | Language-I | Lang |
| 2 | | Language-II | Lang |
| 3 | BCA - AIML -3.1 | Object Oriented Programming using Java | Core |
| 4 | BCA- AIML -3.2 | Operating Systems | Core |
| 5 | BCA- AIML- 3.3 | Computer Networks | Core |
| 6 | BCA- AIML- 3.4 | Object Oriented Programming Lab | Practical |
| 7 | BCA- AIML-3.5 | Operating Systems Lab | Practical |
| 8 | BCA- AIML-3.6 | A.    Digital Marketing <br> B.    Web Content Management System <br> C.    DEVOPS | Elective |
| Sub - Total | | | |

Semester IV

| Sl. No | Course Code | Title of the Course | Category of Courses | Teaching Hours per Week | SEE | IA | Total Marks |
|---|---|---|---|---|---|---|---|
| 1 | | Language-I | Lang | 4 | 80 | 20 | 100 |
| 2 | | Language-II | Lang | 4 | 80 | 20 | 100 |
| 3 | BCA – AIML-4.1 | Artificial Intelligence-I | Core | 4 | 80 | 20 | 100 |
| 4 | BCA-AIML -4.2 | Python Programming | Core | 4 | 80 | 20 | 100 |

| 5 | BCA – AIML-4.3 | Software Engineering | Core | 5 | 80 | | 20 | 100 |
|---|---|---|---|---|---|---|---|---|
| 6 | BCA-AIML-4.4 | Artificial Intelligence-I Lab | Practical | 4 | 40 | | 10 | 50 |
| 7 | BCA-AIML-4.5 | Python Programming Lab | Practical | 4 | 40 | | 10 | 50 |
| 8 | BCA – AIML-4.6 | A. Cloud Computing B. Object Oriented Analysis and Design C. Digital Image Processing | Elective | 2 | 40 | | 10 | 50 |
| 9 | BCA – AIML-4.7 | Internet Basics | Compulsory | 2 | 40 | | 10 | 50 |
| | | Sub - Total | | 33 | 640 | | 160 | 800 |

| Semester V | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Sl. No | Course Code | Title of the Course | Category of Courses | Teaching Hours per Week | SEE | IA | Total Marks | Credits |
| 1 | BCA - AIML – 5.1 | Machine Learning Techniques | Core | 3 | 80 | 20 | 100 | 3 |
| 2 | BCA-AIML – 5.2 | Web Development | Core | 3 | 80 | 20 | 100 | 3 |
| 3 | BCA - AIML – 5.3 | Data Analytics Using R | Core | 3 | 80 | 20 | 100 | 3 |
| 4 | BCA - AIML – 5.4 | Internet Of Things | Core | 3 | 80 | 20 | 100 | 3 |
| 5 | BCA-AIML – 5.5 | Artificial Intelligence -II | Core | 3 | 80 | 20 | 100 | 3 |
| 6 | BCA-AIML – 5.6 | Natural Language Processing | Core | 3 | 80 | 20 | 100 | 3 |
| 7 | BCA-AIML – 5.7 | Web Development Lab | Practical | 4 | 40 | 10 | 50 | 2 |
| 8 | BCA-AIML – 5.8 | Data Analytics Lab | Practical | 4 | 40 | 10 | 50 | 2 |

| 9 | BCA-AIML – 5.9 | Machine Learning and IOT Lab | Practical | 4 | 40 | 10 | 50 | 2 |
|---|---|---|---|---|---|---|---|---|
| 10 | BCA-AIML-5.10 | AI Tools and Techniques | Compulsory | 2 | 40 | 10 | 50 | 2 |
| | | Sub - Total | | 32 | 640 | 160 | 800 | 26 |

Semester VI

| Sl. No | Course Code | Title of the Course | Category of Courses | Teaching Hours per Week | SEE | IA | Total Mark s | Credit |
|---|---|---|---|---|---|---|---|---|
| 1 | BCA- AIML -6.1 | Artificial Neural Network | Core | 3 | 80 | 20 | 100 | 3 |
| 2 | BCA- AIML -6.2 | Deep Learning | Core | 3 | 80 | 20 | 100 | 3 |
| 3 | BCA- AIML -6.3 | Principles of Cyber Security | Core | 3 | 80 | 20 | 100 | 3 |
| 3 | BCA- AIML -6.4 | Computer Vision | Core | 3 | 80 | 20 | 100 | 3 |
| 4 | BCA- AIML -6.5 | Project Work | Project Work | 24 | 300 | 100 | 400 | 12 |
| | | Sub - Total | | 36 | 620 | 180 | 800 | 24 |

**State Education Policy–2024 [SEP-2024]**

**CURRICULUM STRUCTURE FOR**

**BACHELOR OF COMPUTER  APPLICATIONS**

**BCA-DATA ANALYTICS**

# BCA (D.A)

| Sem | Course 1 | Course 2 | Course 3 | Elective / Optional | Course | Language | Compulsory | Total Credit | Total Working hour |
|---|---|---|---|---|---|---|---|---|---|
| I | 5 (3T+2P) | 5 (3T+2P) | 5 T | | | 3+3 | 2 | 23 | 4+4+4+4+5+4+4+2=31 |
| II | 5 (3T+2P) | 5 (3T+2P) | 5T | | | 3+3 | 2 | 23 | 4+4+4+4+5+4+4+2=31 |
| III | 5 (3T+2P) | 5 (3T+2P) | 5T | 2 | | 3+3 | | 23 | 4+4+4+4+5+4+4+2=31 |

| IV | 5 (3T+2P) | 5 (3T+2P) | 5T | 2 | | 3+3 | 2 | 25 | 4+4+4+4+5+2+4+4+2= 33 |
|---|---|---|---|---|---|---|---|---|---|
| V | 8[(2x3T)+2P] | 8[(2x3T)+2P] | 8[(2x3T) +2P] | | | | 2 | 26 | 3+3+4+3+3+4+3+3+4+ 2=32 |
| VI | 3T | 3T | 3T | | 3T | Project work 12 | | 24 | 3+3+3+3+24=36 |
| | | | | | | | | 144 | |

Note:

- Course1 and Course2: I to IV Semester: Theory 3 credit=4 contact hours & Practical 2 credit=4 contact hours
- Course3: I to IV Semester: Theory 5 credit=5 contact hours
- Course1, Course2 and Course3: V and VI Semester: Theory 3 credit=3 contact hours & Practical 2 credit=4 contact hours
- Elective/Optional: 2 credit=2 contact hours
- Languages: 3 credit=4 contact hours

Compulsory: 2 credit=2 contact hours

CURRICULUM STRUCTURE FOR I TO VI SEMETER

BCA-DATA ANALYTICS

| Semester I | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Sl. No | Course Code | Title of the Course | Category of Courses | Teaching Hours per Week | SEE | IA | Total Marks | Credits |
| 1 | | Language-I | Lang | 4 | 80 | 20 | 100 | 3 |
| 2 | | Language-II | Lang | 4 | 80 | 20 | 100 | 3 |
| 3 | | Fundamentals of Information Technology | Core | 4 | 80 | 20 | 100 | 3 |
| 4 | | Programming in C | Core | 4 | 80 | 20 | 100 | 3 |
| 5 | | Computational Mathematics | Core | 5 | 80 | 20 | 100 | 5 |
| 6 | | Office Automation Lab | Practical | 4 | 40 | 10 | 50 | 2 |
| 7 | | C Programming Lab | Practical | 4 | 40 | 10 | 50 | 2 |
| 8 | | Constitution Values | Compulsory | 2 | 40 | 10 | 50 | 2 |
| | | Sub– Total | | 31 | 520 | 130 | 650 | 23 |
| Semester II | | | | | | | | |
| Sl. | | | Category | Teaching Hours | SEE | | Total Mark | |

| No | Course Code | Title of the Course | of Courses | per Week | | IA | s | Credits |
|---|---|---|---|---|---|---|---|---|
| 1 | | Language-I | Lang | 4 | 80 | 20 | 100 | 3 |
| 2 | | Language-II | Lang | 4 | 80 | 20 | 100 | 3 |
| 3 | | Data Structure using C | Core | 4 | 80 | 20 | 100 | 3 |
| 4 | | Database Management System | Core | 4 | 80 | 20 | 100 | 3 |
| 5 | | Computer Organization and Architecture | Core | 5 | 80 | 20 | 100 | 5 |
| 6 | | Data Structures Lab | Practical | 4 | 40 | 10 | 50 | 2 |
| 7 | | Database Management System Lab | Practical | 4 | 40 | 10 | 50 | 2 |
| 8 | | Constitution Values | Compulsory | 2 | 40 | 10 | 50 | 2 |
| | | Sub– Total | | 31 | 520 | 130 | 650 | 23 |

| | | | | | Semester III | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Sl. No | Course Code | Title of the Course | Category of Courses | Teaching Hours per Week | SEE | IA | Total Marks | Credits |
| 1 | | Language-I | Lang | 4 | 80 | 20 | 100 | 3 |
| 2 | | Language-II | Lang | 4 | 80 | 20 | 100 | 3 |
| 3 | | Operating Systems | Core | 4 | 80 | 20 | 100 | 3 |
| 4 | | Object Oriented Programming using Java | Core | 4 | 80 | 20 | 100 | 3 |
| 5 | | Computer Networks | Core | 5 | 80 | 20 | 100 | 5 |
| 6 | | Operating Systems Lab | Practical | 4 | 40 | 10 | 50 | 2 |
| 7 | | Object Oriented Programming Lab | Practical | 4 | 40 | 10 | 50 | 2 |
| 8 | | **A)** Digital Marketing **B)** Web Content Management System **C)** DEVOPS | Elective | 2 | 40 | 10 | 50 | 2 |
| | | Sub– Total | | 31 | 520 | 130 | 650 | 23 |

| | | | Semester IV | | | | | |
|---|---|---|---|---|---|---|---|---|
| Sl. No | Course Code | Title of the Course | Category of Courses | Teaching Hours per Week | SEE | IA | Total Marks | Credits |
| 1 | | Language-I | Lang | 4 | 80 | 20 | 100 | 3 |
| 2 | | Language-II | Lang | 4 | 80 | 20 | 100 | 3 |
| 3 | | Python Programming | Core | 4 | 80 | 20 | 100 | 3 |
| 4 | | Statistical Computing using R | Core | 4 | 80 | 20 | 100 | 3 |
| 5 | | Data Warehousing and Data Mining | Core | 5 | 80 | 20 | 100 | 5 |
| 6 | | Python Programming Lab | Practical | 4 | 40 | 10 | 50 | 2 |
| 7 | | Data Analytics Lab | Practical | 4 | 40 | 10 | 50 | 2 |
| 8 | | **A)** Optimization Techniques for Analytics **B)** Internet Basics **C)** Object Oriented Analysis and Design | Elective | 2 | 40 | 10 | 50 | 2 |
| 9 | | Data Analytics using Excel | Compulsory | 2 | 40 | 10 | 50 | 2 |
| | | Sub– Total | | 33 | 620 | 180 | 800 | 25 |

| | | | | Semester V | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Sl. No | Course Code | Title of the Course | Category of Courses | Teaching Hours per Week | SEE | IA | Total Marks | Credits |
| 1 | | Software Engineering | Core | 3 | 80 | 20 | 100 | 3 |
| 2 | | Artificial Intelligence | Core | 3 | 80 | 20 | 100 | 3 |
| 3 | | Business Intelligence and Analytics | Core | 3 | 80 | 20 | 100 | 3 |
| 4 | | Web Development | Core | 3 | 80 | 20 | 100 | 3 |
| 5 | | Machine Learning | Core | 3 | 80 | 20 | 100 | 3 |
| 6 | | Design Analysis and Algorithm | Core | 3 | 80 | 20 | 100 | 3 |
| 7 | | Artificial Intelligence and Machine Learning Lab | Practical | 4 | 40 | 10 | 50 | 2 |
| 8 | | Web Development Lab | Practical | 4 | 40 | 10 | 50 | 2 |
| 9 | | Algorithms Lab | Practical | 4 | 40 | 10 | 50 | 2 |
| 10 | | Data Visualization with Power BI and Tableau | Compulsory | 2 | 40 | 10 | 50 | 2 |
| Sub– Total | | | | 32 | 640 | 160 | 800 | 26 |

| | | | | Semester VI | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Sl No | Course Code | Title of the Course | Category of Courses | Teaching Hours per Week | SEE | IA | Total Marks | Credits |
| 1 | | Natural Language Processing | Core | 3 | 80 | 20 | 100 | 3 |
| 2 | | Big Data Analytics | Core | 3 | 80 | 20 | 100 | 3 |
| 3 | | Multivariate Data Analysis | Core | 3 | 80 | 20 | 100 | 3 |
| 4 | | Principles of Cyber Security | Core | 3 | 80 | 20 | 100 | 3 |
| 5 | | Project Work | Project Work | 24 | 300 | 100 | 400 | 12 |
| Sub– Total | | | | 36 | 640 | 160 | 800 | 24 |

**Introduction of certificate courses. Details as follows:**

**OBJECTIVES:** With the objective of enabling the students to hone the skills required for enhancing their career opportunities, Alva's College (Autonomous), Moodubidire has introduced a number of Certificate Courses. Besides sharpening their skills, these courses are intended to provide the students additional knowledge and expertise that can widen their career prospects. The Certificate Courses are designed in accordance with the requirements of the present competitive world.

## Eligibility

Any student who is eligible to pursue a Bachelor Course

## Duration

**All the Certificate Courses are of minimum 48 hours duration.**

## Methodology

- Theory   < 40 %

  Lecture/ICT Modes of Teaching/Seminar

- Practical    > 60%

  ICT based practical classes/Laboratory based practical classes/Brain Storming

  Sessions/Field Visits/Surveys etc.


## Evaluation

Formative >50%

Summative< 50

## Certification Criteria

- Attendance : 75%
- Minimum 50% of marks in both Formative and Summative assessments

**The Performance of the students will be graded in the following manner**:

**Grade O : Above 90%**

**Grade A : 75 % to 90%**

**Grade B : 60% to 75%**

**Grade C : 50% to 60%**

**Programme Outcomes:**

**At the end of a certificate Course a student will be able to:**

- Demonstrate a basic level of competency in the chosen field
- Internalize certain skills related to the field of study
- Apply the acquired skills and expertise in real life situations
- Acquire a working knowledge of the ideas and concepts pertaining to the field of study

**Details of Certificate courses for UG & PG programmes are mentioned below :**

| SL.NO | NAME OF THE CERTIFICATE COURSE | Name of the Department |
|-------|-------------------------------|------------------------|
| 1 | Graphic design: photoshop, illustrator & in design Figma | Animation |
| 2 | Indian sweets and charts | BHS |
| 3 | Speed Typing | Hindi |
| 4 | Food preservation and technique | FND |
| 5 | Microbial quality control parameters in food industries | Microbiology |
| 6 | Vermiculture | Zoology |
| 7 | Home garden and hydroponics | Botany |
| 8 | Tissue culture techniques | Biotechnology |
| 9 | Phytochemical analysis and dye | Bio Chemistry |

| | preparation | |
|---|---|---|
| 10 | Electrical appliances and repair | Physics |
| 11 | 3D Printing | Physics |
| 12 | Quantitative Aptitude | Maths |
| 13 | Preparation of Household chemicals | Chemistry |
| 14 | Statistical tools for business decision making | Statistics |
| 15 | Web Technology-I Year | BCA |
| 16 | AI for everyone-II Year | BCA |
| 17 | Event Management | HRD |
| 18 | Research Methodology | BBA |
| 19 | Career Advancement skill-I Year | B.Com |
| 20 | Fundamentals of U.S Direct Tax-II Year | B.Com |
| 21 | Diploma in computerized Accounting | B. Com |
| 22 | Jewellery Design | Fashion Design |
| 23 | Tourism and Management | BA |
| 24 | Mural Art | BVA |
| 25 | Corporate English Pratice | English |
| 26 | Substance use dissuades and interventions | BSW & MSW |
| 27 | Theatre performance | BSW |
| 28 | Certificate Course in Counselling | MSW |
| 29 | Certificate Course in HRM | MSW |

> To conduct academic programmes through collaborative mode.

> Academic Audit will be conducted on April 2026

> Academic calendar of events for the year 2025-26 was prepared and got approval from IQAC committee. Details are as follows :

**Academic Calendar of Events - 2025 – 26   From June 2025 to May 2026**

| Event/particulars | I & III Semester | II & IV Semester |
|---|---|---|
| Admission begins | 01-04-2025 | |
| Academic programme and classes begin | 16-06-2025 | 01-12-2025 |
| Last Date for admission | 30-08-2025 | |
| I Internal Examination | 28-07-2025 | 27-01-2026 |
| II Internal Examination | 01-09-2025 | 16-03-2026 |
| Re Examinations | 09-09-2025 | |
| Last working day | 4-10-2025 | |
| Semester Examination | 13-10-2025 | 06-04-2026 |
| Announcement of Result | 24-11-2025 | |
| | 92 days Including IA | 96 days including IA |
| Academic year 2026-27 | 15-06-2026 | |

| | | |
|---|---|---|
| Vacation for teachers (tentative) | 1-11-2025 to 15-11-2025 | 6-5-2026 to 21-5-2-26 |
| Fest Days | 13-2-2-26 to 14-2-2026 | |
| Annual Project presentation day and science day | 28-02-2026 | |
| Annual Seminar | 01-03-2026 | |
| College day & Forum valedictory | 28-03-2026 | |
| Internship -second semester | 01-05-2026 to 30-05-2026 | |

1. There will be regular stakeholder feedback pertaining to curricular changes and to implement the suggestions advocated.

2. Ensuring the maximum student attendance in the classes through regular monitoring of students by mentors/class coordinators /subject teachers in proactive manner.

3. Ensuring the completion of syllabi in every semester by all teachers through constant monitoring of holding of classes and through the mechanism devised by IQAC.

## Teaching –Learning

1. To augment academic infrastructure - ICT enabled classrooms, google classrooms, e-learning resources etc

2. Organising different academic seminar/conferences/workshops/symposiums/ trainings in collaborative mode. Details for the academic year 2025-26 are as follows:

❑ **Internship Plans (Mandatory) as best practice :** 210 post graduate students and 500 undergraduate students will be placed in different 360 agencies to enhance their employability. Internship placement are for 15 to 30 days for UG students and 30 days for PG students.

❑ Research Publications      :   32

❑ Study Tour, Camps, Visits  :   10

❑ FDPs                  :   14

❑ Research Projects      :   Students  - 163

                                          Staff      - 05

                                       Department  - 11

❑   Seminars                : Alumni Sponsored National/International Seminar (1+1)

❑   Workshop                                 : 12

❑   Guest talk                               : 52

## Infrastructure Upgradation

1. To make elaborate arrangements for the computers in different office, library and IQAC .

2. Effective use of indoor and outdoor sports facilities and cultural facilities

## Student Support and Progression

1. To provide career counselling opportunities and guidance to competitive exams

2. To functionalize ED Cell and to implement programmes for the greater interest of the students

3. To mobilise vast alumni community for the up gradation of the college through setting up active alumni units at different departmental levels. Plan of activities with alumnus and to arrange study tours, field visits and industrial visits for students of different departments and streams. Details are as follows:

**Alumni contributions (financial / non-financial) :**

| No. of Activities | Proposed Activities | Amount Expected (in rupees) |
|---|---|---|
| 32 | ❑ National Seminar<br>❑ International Seminar<br>❑ Guest Talks<br>❑ Workshop<br>❑ Webinar<br>❑ Internships<br>❑ Placements<br>❑ Interactions | Rs. 2,07,600-00 |

4. To formulate and implement different student welfare committees.

5. Implementation of efficient student mentoring in every department

6. Implementation of efficient centralised student counselling mechanism to resolve stress related issues.

7. Details about different forums to enhance skills among students are given below:

| SN | Forum | Coordinator | Department |
|---|---|---|---|
| 1 | NCC(Army) | Dhananjaya A | Political Science |
| 2 | NCC(Air wing) | Ashok kumar | Engineering |
| 3 | NCC(Navy) | Prasad G R | PUC(Hindi) |
| 4 | NSS unit 1 | Sudeep | History |
| 5 | NSS unit 2 | Akshatha Prabhu | Management |
| 6 | Rovers | Balakrishna,<br>Sumantha | Commerce<br>English |
| 7 | Rangers | P.B. Shubhalakshmi<br>Shilpa<br>Preethi | Management<br>Chemistry<br>Botany |
| 8 | Youth Red Cross | Suhas Shetty<br>Rajani Jenita | Management<br>Management |
| 9 | Tulu | Dr. Yogish Kairodi | Kannada |
| 10 | Kannada | Harish T.G. | Kannada |
| 11 | English | Rashmitha | English |

| | | Surekha Bangera | English |
|----|----------------------------------------------|--------------------------------|------------------------------------|
| 12 | Mind view | Jovita D'sa<br>Viveka K.N. | Psychology<br>Psychology |
| 13 | Photography | Durgaprasanna | Journalism |
| 14 | Visual Art (Drawing) | Arun kumar<br>Afzal Adam | Animation<br>Animation |
| 15 | Sristi(Nature) | Preethi Acharya<br>Prasadini | FND<br>FND |
| 16 | Management | Praveen Kumar<br>Prajna S.B. | Management<br>Management |
| 17 | Commerce | Pooja Kotian<br>Shreelekha | Commerce<br>Commerce |
| 18 | Sports | Meenakshi B. | Physical education |
| 19 | IT | Akshitha<br>Shreya Jaya Shetty | Computer science<br>Computer science |
| 20 | HRD | Sruthi S. Kamath | HRD |
| 21 | Humanity | Jayashree | Political Science |
| 22 | Dance | Bhavyashree G.P | Management |
| 23 | Music | Shreya<br>Aparna Holla | Zoology<br>Sanskrit |
| 24 | Spatica Social work(only for BSW work) | Pavithra | Social work |
| 25 | Animation | Ravi M.<br>Shankar P. Kamath | Animation<br>" |
| 26 | Fashion Design | Padma Priya | Fashion Design |

8. Details of activities of cells for the academic year 2025-26 in order to support and guide students are given below:

| Month | Activities of Human Rights Cell | Activities of Anti-Ragging Cell | Activities of Anti-Sexual Harassment Cell | Activities of SC/ST Cell |
|----------------|---------------------------------|---------------------------------|-------------------------------------------|--------------------------|
| June - 2025 | 1. Executive Committee Meeting<br>2. Orientation to UG students on HR Cell<br>3. Awareness Talk on Human Rights | 1. Executive Committee Meeting<br>2. Orientation to UG students on AR Cell | 1. Executive Committee Meeting<br>2. Orientation to UG students on ASH Cell | 1. Cell Committee Meeting<br><br>2. Orientation Programme for UG Students |
| August - 2025 | Workshop on Human Rights (TOT) | Registration of UG Students in the Website | 1. Release of Posters and Pamphlets on Anti-Sexual | Awareness Programme on Government Schemes |

| | | | Harassment Cell<br>2. Awareness about Good Touch and<br>    Bad Touch for School Children in<br>    Moodubidire Region | |
|---|---|---|---|---|
| September - 2025 | 1. Orientation to PG students on HR Cell<br>2. Awareness Talk on Human Rights | Organizing issue based talk for UG Students | 1. Orientation to PG students on ASH Cell<br>2. Awareness Session on – From Fear to Resilience: Addressing the Psycho-Social Impact of Sexual Harassment at Work | - |
| October - 2025 | 1. Executive Committee Meeting<br>2. Human Rights Campaign (Through Multi-Media Approach) | Orientation to PG students on AR Cell | Executive Committee Meeting | - |
| November - 2025 | Workshop on Human Values (TOT) | Executive Committee Meeting | Orientation on POSH in PU Colleges in Moodubidire Region | Cell Committee Meeting |
| December - 2025 | 1. Observation of International Human Rights Day<br>2. Organizing theme based talk | Registration of PG Students in the Website | Orientation on POSH in PU Colleges in Moodubidire Region | 1. Programme on Leadership<br>2. Awareness Programme on Career Opportunities |
| January - 2026 | Executive Committee Meeting | Organizing issue based talk for PG Students | Executive Committee Meeting | Cell Committee Meeting |
| February - 2026 | Organizing issue based talk | Organizing issue based talk for | Orientation on POSH in PU | - |

| | | UG Students | Colleges in Moodubidire Region | |
|---|---|---|---|---|
| March - 2026 | Organizing issue based talk | Organizing issue based talk for PG Students | Orientation on POSH in PU Colleges in Moodubidire Region | - |
| April - 2026 | Executive Committee Meeting | Executive Committee Meeting | Executive Committee Meeting | - |
| May - 2026 | Organizing issue based talk | Organizing issue based talk for UG and PG Students | Evaluation of all the programmes organized by the cell and planning activities for the next academic year | - |

## Research and Extension Activities

1. Regular meetings of Alva's Research and Innovation Cell to encourage faculty members to crate research environment in the campus. Plan of action of the cell is as follows:

| S. No. | Activity | Execution | Schedule |
|---|---|---|---|
| 1. | Research Publications | Mandatory for all staff members of PG Departments and PhD holders in UG Departments to publish at least one paper in a Scopus-indexed journal every calendar year. | One research paper per staff per calendar year |
| 2. | Department Level Projects | Each PG Department must complete at least one research project per academic year. | One research project per PG Department in the academic year |
| 3. | Monitoring Student Projects | Monitor mandatory research projects carried out by PG students in their III & IV semesters, encouraging publication in Scopus-indexed journals. The best project in each department will be awarded at the end of the year. | Throughout the academic year |
| 4. | Guest Lectures | Organize lectures by eminent researchers on topics such as research methodology, publication ethics, and awareness of research | Six sessions per year |

| | | platforms, targeted at students and faculty (stream-wise). | |
|---|---|---|---|
| 5. | Research Internship | Offer research internships for interested external students (UG level) through different PG Departments. | Between odd & even semester |
| 6. | Research and Innovation Exhibition | Showcase completed research projects by students. | End of even semester |
| 7. | Research Club | Facilitate research activities for UG students. | Throughout the academic year |
| 8. | IPR Activities | Provide awareness on intellectual property rights to the faculty members | Two sessions per year |

2. To publish college magazine with ISBN book multidisciplinary topics.

3. To conduct yearlong extension programmes in collaborative mode with various stakeholders. Exploring means to devise and undertake interdisciplinary research projects by making use of institutional infrastructure. Plan of research projects for the academic year 2025-26 are given below:

Research Publications    :   32

Research Projects         :   Students  - 163

Staff       - 05

Department  - 11


## Governance, Leadership and Management

1. To create and maintain statutory and non-statutory bodies to deal with wide range of day to day academic and administrative tasks. Details for the year 2025-26 are as follows :

## I. IQAC COMMITTEE

| Name | Designation | Position |
|---|---|---|
| 1.  Dr. Kurian | Principal | Chairman |
| 2.  Dr. Mukambika G S | Department of Social Work | Convener |
| 3.  Mr. Narayana Shetty N P | Registrar Evaluation | Member |

| | | |
|---|---|---|
| 4. Dr. T K Ravindran | Registrar | Member |
| 5. Dr. Chandrashekar Mayya | Department of Sociology | Member |
| 6. Dr. Yogish Kairodi | Department of Kannada- HoD | Member |
| 7. Dr. Jayadev | Department of Biotechnology | Member |
| 8. Dr. Sukesh | Department of Botany-Coordinator | Member |
| 9. Dr. Vinayaka Bhat | Department of UG Sanskrit-HoD | Member |
| 10. Dr. Praveen Mugali | Department of Chemistry | Member |
| 11. Dr. S Samshuddin | Department of Chemistry-HoD | Member |
| 12. Dr. Raghavendra Rao | Department of Biotechnology | Member |
| 13. Dr. Archana Prabhath | Department of FSN-Coordinator | Member |
| 14. Mrs. Surekha Rao | Dean Management | Member |
| 15. Mrs. Sandhya K S | Dean Arts | Member |
| 16. Mrs. Shazia Khanum | Department HRD-Coordinator | Member |
| 17. Mrs. Sharmila Kundar | Dean Commerce | Member |
| 18. Mrs. Vanitha Prabhu | Dean Computer Science | Member |
| 19. Mrs. Ramya Rai M | Dean Science | Member |
| 20. Mrs. Ashitha M D | Department of FND-HoD | Member |
| 21. Mr. Ramesh | Department of Computer Science | Member |
| 22. Mrs.Ashwini | Department HRD | Member |
| 23. Mrs. Shyamalatha | Chief Librarian | Member |
| **Administrative/ Technical Staff** | | |
| 1. Prof. Balakrishna Shetty | Administrative Officer | |
| 2.Mr. Shantharam Kamath | Finance Officer | |
| 3.Mrs. Poornima | Office Superintendent (UG) | |
| 4.Mrs. Latha | Office Superintendent (PG) | |
| **Management Representative** | | |
| Mr. Vivek Alva | Managing Trustee | |
| **Student Representatives** | | |
| Shashank | Students | Members |
| Gagan sharma | | |
| Meghana C | | |
| Mahesh | | |
| **Stake holders/Community Representatives** | | |
| Mr. Jayaram Kotian | | |
| Mr. Narayan P.M. | | |
| **External Experts** | | |
| 1. Dr. K R Chandrashekar | Professor and Scientist Ayush Research Center, Yenepoya (Deemed to be University) Deralakatte, Mangalore | |

| | |
|---|---|
| 2. Prof. K V Rao | Director of Science Division Pilikula Nisarga Dhama, Mangalore |

## II. Planning and Evaluation Committee

| Name | Designation | Position |
|---|---|---|
| 1. Dr. Kurian | Principal | Chairman |
| 2. Prof Blakrishna shetty | A.O | Member secretary |
| 3. Dr. T K Ravindran | Registrar | Member |
| 4. Dr. Narayan Shetty N P | Registrar Evaluation | Member |
| 5. Mrs .Surekha Rao | Dean Management | Member |
| 6. Mrs .Sandhya K S | Dean Arts | Member |
| 7. Mrs .Sharmila | Dean Commerce | Member |
| 8. Mrs Vanitha Prabhu | Dean Computer science | Member |
| 9. Mrs Ramya rai | Dean science | Member |
| 10. Dr. Sukesh | Incharge PG Science | Member |
| 11. Dr. S. Samshuddin | Research coordinator | Member |
| 12. Mrs. Vaishali | Student welfare officer | Member |
| 13. Mrs. Poornima | Office Superintendent | Member |

## III. Students Grievance Redressal Committee:

| Name | Designation | Position |
|---|---|---|
| 1. Dr. Kurian | Principal | Chairman |
| 2. Mr. Ashok K G | Department of Commerce | Convener |
| 3. Ms. Karthika FSN | Department of Food Science | Member |
| 4. Mrs. Shruthi | Department of Computer science | Member |
| 5. Mrs. Vaishali | Student welfare officer | Member |
| 6. Mrs. Shreya | Department of Science | Member |
| 7. Mrs. Sony | Department of Management | Member |

## IV. ST and SC Cell

| Name | Designation | Position |
|---|---|---|
| 1. Dr. Kurian | Principal | Chairperson |
| 2. Dr. Jayadev K | Department of PG Biotechnology | Convener |
| 3. Dr. Shreenivas | Department of PG Journalism | Member |
| 4. Mr. Mahendra H R | Department of Commerce | Member |

| | Name | Designation | Position |
|---|---|---|---|
| 5. | Mrs. Jayashree | Department of Arts | Member |

## V. Internal Complaints Committee

| | Name | Designation | Position |
|---|---|---|---|
| 1. | Dr. Kurian | Principal | Chairperson |
| 2. | Dr.Sapna | Department of Social Work | Convener |
| 3. | Mrs. Jayashree Aamarnath shetty | External Member | |
| 4. | Mrs. Rajashree Rao | Department of HRD | Member |
| 5. | Mrs. Sharmila Kunder | Department of Commerce - HoD | Member |
| 6. | Mrs. Vanith Prabhu | Department of Computer Science-HoD | Member |
| 7. | Mrs. Pavaithra | Department of Social Work | Member |
| 8. | Mrs. Poornima | Office superintendent-UG | member |
| 9. | Mrs. Latha | Office superintendent-PG | Member |
| 10. | Mrs. Vaishali | Student welfare officer | Member |
| 11. | Mr. Mohan | Security officer | Member |

## VI. Examination Committee

| | Name | Designation | Position |
|---|---|---|---|
| 1. | Dr. Kurian | Principal | Chairperson |
| 2. | Dr. Narayana Shetty N P | Registrar Evaluation | Convener |
| 3. | Dr. Chandrashekara Mayya | Department of Arts-HoD | Member |
| 4. | Mr. Ashok K G | Department of Commerce | Member |
| 5. | Mr. Shravan Krishnaraj | Department of Hotel Management | Member |
| 6. | Mr. Manu D L | Department of Commerce | Member |
| 7. | Mr. Muralikrishna | Department of Computer Science | Member |
| 8. | Mr. Harish T G | Department of Kannada | Member |
| 9. | Mr. Machhendra S Belki | Department of English -HoD | Member |
| 10. | Mrs. Chaithra Rao | Department of Management | Member |
| 11. | Mrs. Shreya | Department of Science | Member |
| 12. | Mrs. Ashwini Kumari | Department of Human Resource-HoD | Member |
| 13. | Dr. Sapna | Department of Social Work | Member |
| 14. | Mrs. Josvita | Department of Psychology | Member |

## VII. Admission Committee (UG)

| Name | Designation | Position |
|---|---|---|
| 1.  Dr. Kurian | Principal | Chairperson |
| 2.  Dr.Vinayak Bhat | Department of Sanskrit- HOD | Convener |
| 3.  Mr.Suhas Shetty | Department of Management | Member |
| 4.  Mr. Banu Prakash | Department of Commerce | Member |
| 5.  Mr. Manu D L | Department of Commerce | Member |
| 6.  Mrs. Renita | Department of Commerce | Member |
| 7.  Mr. Roopesh | Department of Science | Member |
| 8.  Mrs. Madhushree | Department of Science | Member |
| 9.  Mrs. Durgaprasanna | Department of Journalism | Member |

## VIII. Admission Committee (PG)

| Name | Designation | Position |
|---|---|---|
| 1.  Dr. Kurian | Principal | Chairperson |
| 2.  Mrs. Rajashree Rao | PG Admission Coordinator | Convener |
| 3.  Dr. Rama Bhat | Department of Biotechnology - HoD | Member |
| 4.  Ms. Pavitra and Mrs. Deeksha | Department of PG Chemistry | Member |
| 5.  Ms. Deekshitha | Department of PG Journalism | Member |
| 6.  Ms.  Pushpalatha | Department of M.Com General | Member |
| 7.  Ms. Manasa  Bhat | Department of PG Zoology | Member |
| 8.  Ms. Yashasvi | Department of PG FSN | Member |
| 9.  Mr. Narayana Sharma | Department of PG Physics | Member |
| 10. Mr. Krishnamurthy | Department of PG Social work | Member |
| 11. Mr. Sathvik | Department of PG English | Member |
| 12. Dr. Keshavachandra | Department of PG Botany | Member |
| 13. Ms. Swathi K B | Department of PG Mathematics | Member |
| 14. Dr. Harshavardhan | Department of PG Journalism | Member |
| 15. Ms. Saman | Department of PG English | Member |
| 16. Mr. Ravichandra | Department of Animation - HOD | Member |

## IX . Student Welfare Committee & Scholarship

| Name | Designation | Position |
|---|---|---|
| 1. Dr. Kurian | Principal | Chairperson |
| 2. Dr. Sapna | Department of social work | Convener |
| 3. Mrs.Divya | Student Welfare Officer | Member |
| 4. Mrs.Vaishali | Student Welfare officer | Member |
| 5. Mrs. Reshma | Department of Chemistry (PG) | Member |

## X. Human Rights (Executive) Committee

| Name | Designation | Position |
|---|---|---|
| 1. Dr. Kurian | Principal | Chairperson |
| 2. Mr. Krishnamoorthy B | Department of Social Work | Convener |
| 3. Dr. Chandrashekhar Mayya | Department of Sociology | Member |
| 4. Ms. Savitha | Department of History | Member |
| 5. Ms. Pooja Kotian | Department of Commerce | Member |
| 6. Ms. Lavanya | Department of Commerce | Member |
| 7. Ms. Veekshitha V | Student Representative | Member |
| 8. Ms. Chaitra | Student Representative | Member |
| 9. Mr. Sinan | Student Representative | Member |
| 10. Ms. Preethi B H | Student Representative | Member |
| 11. Ms. Rashmi C | Student Representative | Member |

## XI. Extra-curricular and Co-Curricular activities committee

| Name | Designation | Position |
|---|---|---|
| 1. Dr. Kurian | Principal | Chairperson |
| 2. Dr. Yogish Kairodi | Department of Kannada - HoD | Convener |
| 3. Ms.Sharmila Kunder | Department of Commerce - Dean | Member |
| 4. Mr. Manu D L | Department of Commerce | Member |

## XII. Anti Raging Committee:

| Name | Designation | Position |
|---|---|---|
| 1. Dr. Kurian | Principal | Chairperson |
| 2. Prof. Manu D L | Department of Commerce | Convener |
| 3. Prof.Sandhya | Dean of Arts | Member |
| 4. Mrs.Divya | Student Welfare Officer | Member |

## XIII. Research and innovation Committee

| Name | Designation | Position |
|---|---|---|

| | | |
|---|---|---|
| 1. Dr. Kurian | Principal | Chairperson |
| 2. Dr. S. Samshuddin | Department of Chemistry | Convener |
| 3. Dr. Sukesh | Department of Botany - HoD | Member |
| 4. Dr. Praveen S Mugali | Department of Chemistry - HoD | Member |
| 5. Dr. Raghavendra Bhat B | Department of Biotechnology | Member |
| 6. Dr. Sukanya | Department of Chemistry | Member |
| 7. Dr. Madumala K | Department of Social Work - HoD | Member |
| 8. Dr. Yogish Kairodi | Department of Kannada - HoD | Member |
| 9. Mrs. Akshatha Shetty | Dept of PG Commerce | Member |
| 10. Mrs.Shazia Khanum | Department of PG Human Resource Management – HoD | Representative from ED Cell |

## XIV. Cultural Activities Committee

| Name | Designation | Position |
|---|---|---|
| 1. Dr. Kurian | Principal | Chairperson |
| 2. Dr. Krishnaraja Karaba | Department of Kannada | Convener |
| 3. Ms.Aparna Holla | Department of Sanskrit | Member |
| 4. Ms.Chaitra Rao | Department of Management | Member |
| 5. Mrs.Shreya | Department of Zoology | Member |
| 6. Mrs.Chaya | Department of Commerce | Member |

## XV. Entrepreneurship and Incubation Cell

| Name | Designation | Position |
|---|---|---|
| 1. Dr. Kurian | Principal | Chairperson |
| 2. Mrs. Shazia Khanum | Department of PG HRD | Convener |
| 3. Mrs. Rajashree Rao | Department of PG HRD | Member |
| 4. Mr.Ramananda Nayak | Department of Commerce | Member |
| 5. Mrs.Sony | Department of Management | Member |
| 6. Dr. S. Samshuddin | Department of PG Chemistry-HoD | Member |

## XVI. Website management and E content Development

| Name | Designation | Position |
|---|---|---|
| 1. Dr. Kurian | Principal | Chairperson |
| 2. Mr. Harshavardhan | Department of PG Journalism | Convener |
| 3. Mr. Muralikrishna | Department of Computer Science | Member |

| | | |
|---|---|---|
| 4. Mrs. Durgaprasanna | Department of Journalism | Member |

## XVII. College Magazine, Literary and Content development Committee

| Name | Designation | Position |
|---|---|---|
| Dr. Kurian | Principal | Chairperson |
| 1. Mr.Machhendra S Belki | Department of English - HOD | Convener |
| 2. Dr.Dattathreya Hegde | Department of Hindi -HOD | Member |
| 3. Dr.Jyothi Rai | Department of Kannada | Member |
| 4. Mr.Harish T G | Department of Kannada | Member |
| 5. Mr.Ravi Shenoy | Department of English | Member |
| 6. Mrs.Priya Devi | Department of Manipuri | Member |
| 7. Mr.Lakshmeesha | Department of Sanskrit | Member |
| 8. Mr. Sumantha N | Department of English | Member |
| 9. Mrs.Rakshitha | Department of Journalism | Member |
| 10. Student secretary of NSS Forum | Student secretary | Member |
| 11. Student representatives from INNAMU | Student representatives | Member |

## XVIII. Certificate course Committee

| Name | Designation | Position |
|---|---|---|
| Dr. Kurian | Principal | Chairperson |
| 1. Mrs. Sumithra B D | Department of Commerce | Convener |
| 2. Mrs. Jayashree | Department of Political Science | Member |
| 3. Mrs. Crystal Fernandes | PG Mathematics (PG representative) | Member |
| 4. Manasa | Department of Computer Science | Member |
| 5. Mrs. Akshatha | Department of Chemistry | Member |

## XIX. NIRF

| Name | Designation | Position |
|---|---|---|
| Dr. Kurian | Principal | Chairperson |
| Dr.Keshava Chandra | Department of Botany | Convener |

## XX. AISHE SURVEY

| | | |
|---|---|---|
| Dr. Kurian | Principal | Chairperson |
| Mr.Sagar | Department of Computer Application | Convener |

## XXI. Library Advisory Committee

| Name | Designation | Position |
|---|---|---|
| Dr. Kurian | Principal | Chairperson |

| 1. Mrs. Shyamalatha | Chief Librarian | Convener |
|---|---|---|
| 2. Dr. Yogish Kairodi | HoD of Kannada | Member |
| 3. Mrs. Sandhya K S | Dean dept of Humanities | Member |
| 4. Dr. Sukanya | Department of PG Chemistry | Member |
| 5. Mrs. Surekha Rao | HoD of Management | Member |
| 6. Mrs. Sharmila Kundar | HOD of Commerce | Member |
| 7. Mrs. Ramya Rai M | HOD of Science | Member |
| 8. Mr. Prasad Shetty | Department of Journalism | Member |
| 9. Mr. Sourabh | III BSc | |
| 10. Mr. Pramod | II MSW | |
| 11. Mr. Aditya Nayak | III BBA | |
| 12. Mr. Sanvith | III BCA | Students |
| 13. Ms. Varshitha | III BCOM | |
| 14. Ms. Rashmi | III BA | |

## XXII. Placement and Training Committee

| Name | Designation | Position |
|---|---|---|
| Dr. Kurian | Principal | Chairperson |
| 1. Mr. Sushanth Anil Lobo | Head - training and placements | Convener |
| 2. Ms. Ranjitha R Acharya | Assisitant Training and placement officer | Member |
| 3. Mrs. Sannidhi Jain | Placement Head | Member |
| 4. Mr Suhas Shetty | BBA Placement Coordinator | Member |
| 5. Mr. Muralikrishna | BCA Placement Coordinator | Member |
| 6. Mrs Pavithra | BSc Placement Coordinator | Member |
| 7. Mrs Durgaprasanna | BA Placement Coordinator | Member |

## XXIII. Mini Project

| Name | Designation | Position |
|---|---|---|
| Dr. Kurian | Principal | Chairperson |
| 1. Mr. Ramesh | Department of Computer Science | Convener |
| 2. Dr. S. Samshuddin | Research Coordinator | Member |
| 3. Mrs. Rakshitha | Department of Arts | Member |
| 4. Mrs. Josvita | Department of Arts | Member |
| 5. Mrs. Shwetha Shetty | Department of Commerce | Member |
| 6. Mrs. Sony | Department of Management | Member |
| 7. Mrs. Vidyashree | Department of Science | Member |

## XXIV. Intellectual property right cell:

| Name | Designation | Position |
|---|---|---|
| Dr. Kurian | Principal | Chairperson |
| Dr. Sukesh | Representative from Science Incharge | Convener |

| Name | Designation | Position |
|---|---|---|
| Dr. Kurian | Principal | Chairperson |
| 1.  Mr. Shanthram Kamath | Finance Officer | Convener |
| 2.  Mr. Shanthram Nayak | Assistant Finance officer | Member |
| 3.  Mr. Ramakrishna Shetty | Department of Commerce | Member |

**XXVI . Discipline Committee**

| Name | Designation | Position |
|---|---|---|
| Dr. Kurian | Principal | Chairperson |
| 1.  Prof. Sandhya K S | Dean Arts | Convener |
| 2.  Dr. Chandrashekhar Mayya | Department of Arts | Member |
| 3.  Dr. Jyothi Rai | Department of Kannada | Member |

2. Motivating the faculty members to attend and organise FDPs in order to upgrade and update the knowledge of teachers. Details of FDPs planned for the academic year 2025-26 are  14.

## Innovation & Best Practices

1. To formulate internship policy and to encourage all the UG and PG departments to formulate syllabus for internship of their students  to promote employability among students. Details are as follows :

**GUIDELINES FOR THE INTERNSHIP PROGRAMME 2025-26**

**What is Internship Programme?**

An internship is a professional learning experience that offers meaningful, practical work related to a student's field of study or career interest. An internship gives a student the opportunity for career exploration and development, and to learn new skills.

**Purpose**

An internship gives a student the opportunity for career exploration and development, and to learn new skills.

**Objectives**

- ➢ To gain experience and skills in a particular field.
- ➢ To receive an orientation to the organization for which they are interning.
- ➢ To develop professional skills.
- ➢ To gain exposure to upper management.

**Guidelines**

**a) Eligibility-** All undergraduate and postgraduate students of the college are eligible to participate in Internship Programme.

**b)** Participation in internship programme is mandatory in every semester.

**c) Implementation-** departmental heads / coordinators should plan and arrange for the internship of the students. Concerned reports and certificates should be kept in the department and soft copy of the same should be sent to internship coordinator - sudheendrashanthi@alvascollege.com .

**d)Role of faculties**

- ➢ Concerned coordinators / Advisors / Mentors should design the syllabus for the internship.
- ➢ Concerned coordinators / Advisors / Mentors should identify the right agency/ Organization to the students.
- ➢ Concerned coordinators / Advisors / Mentors Must collect consent letter from the parents before the internship.

- Guiding and mentoring related to internship & report & documentation.
- Planning the internship presentation of the students in the department.

## e) Role of students

- Applying theoretical knowledge in practical settings.
- Develop professional skills.
- Developing employability skills.
- To enhance the skills of Reporting, documentation and presentation of internship programme.

## f) Number of hours of internship

- Each students should complete **160 hours (20Days)** of internship in every semester.

## g) Recognition and credits

- Students may earn credit or certificates for participating in and successful completion of internship activities.
- Participation and achievement in Internship will be recorded and acknowledged in student profile.

## h)Compliance

- Students must adhere to the college's code of conduct and ethical standard during the Internship activities.
- Any concern or issues arising during Internship activities should be reported to concerned coordinators/ advisors for resolution.

## j)Reporting

- Each students should hand over a copy of consolidated reports to the department and a softcopy to [sudheendrashanthi@alvascollege.com](mailto:sudheendrashanthi@alvascollege.com) (including time sheet, Geo tag photos, completion certificate, permission letter copy).
- All the departments must maintain the records of r internship activities in the department.

## k)Amendment

- The guidelines may be amended or updated by the college administration, whenever needed with the inputs from relevant stakeholders.

- ❑ To ensure plastic free and tobacco free campus through various means at all times.
- ❑ To promote energy conservation practices like wide use of LED lights, installation of solar panels and crating awareness through campaigns.

*********************