REVA UNIVERSITY | ONLINE

CENTRE FOR DISTANCE AND ONLINE EDUCATION

BACHELOR OF COMPUTER APPLICATIONS (BCA)

ONLINE LEARNING MODE

PROGRAMME PROJECT REPORT (PPR)

2026-2027

Rukmini Knowledge Park,

Kattigenahalli, Yelahanka, Bangalore - 560 064

Phone No: +91-080-66226622, Fax: 080-28478539

www.online.reva.edu.in

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1. PREFACE

Computers have become an integral part of modern life, and new digital applications are emerging every day. The use of computer technologies is now common across academia, research, industry, government, and private organizations. As digital transformation accelerates, the demand for skilled professionals in computer science and information technology continues to grow, creating diverse and rewarding career opportunities.

Since the early 21st century, Information and Communication Technologies (ICTs) have become more powerful, accessible, and widespread. They play a crucial role in enhancing competitiveness, enabling innovation, supporting entrepreneurship, and driving societal development at local, national, and global levels.

The career opportunities for **Bachelor of Computer Applications (BCA)** graduates are vast and expanding. Areas such as software development, web and mobile application development, database administration, networking, cybersecurity, cloud computing, IT support services, digital marketing, data analytics, and entrepreneurship provide promising pathways for BCA graduates.

REVA University offers the **Online Bachelor of Computer Applications (BCA)** programme to develop competent, innovative, and industry-ready graduates equipped with strong foundational and practical knowledge in computer applications. The programme is carefully designed to meet the evolving demands of the IT industry and digital economy.

The BCA programme emphasizes:

- Strong foundations in programming languages and software development
- Practical exposure to modern tools and technologies
- Understanding of database management, networking, web technologies, and cloud computing
- Exposure to emerging areas such as Artificial Intelligence, Data Science, Cybersecurity, and IoT

The curriculum is structured to provide both theoretical knowledge and practical skills through outcome-based teaching and learning methodologies. Students are encouraged to participate in mini-projects, internships, seminars, workshops, and industry interactions to ensure holistic development and career readiness.

Programme Overview

The Online BCA programme covers core areas such as:

- Programming Languages (C, C++, Java, Python, etc.)

- Web Technologies and Internet Applications
- Database Management Systems
- Operating Systems
- Computer Networks
- Data Structures and Algorithms
- Software Engineering
- Cloud Computing
- Cybersecurity Fundamentals
- Artificial Intelligence and Emerging Technologies

The curriculum prepares students to design, develop, and manage IT solutions effectively by combining theoretical foundations with practical problem-solving skills.

The programme is aligned with local, regional, national, and global development needs. Courses are designed to enhance:

- Technical competency
- Employability skills
- Entrepreneurial mindset
- Professional ethics
- Environmental awareness
- Social responsibility

Outcome-based education ensures that students gain hands-on exposure rather than relying solely on theoretical memorization.

Key Features of the Online BCA Programme:

- ✓ Curriculum designed based on industry requirements
- ✓ 100% online delivery mode
- ✓ Flexible learning through recorded and live interactive sessions
- ✓ Focus on developing advanced technical and problem-solving skills
- ✓ Access to digital learning resources and virtual labs
- ✓ Continuous mentoring and project guidance
- ✓ Saves time and travel expenses
- ✓ Technical sessions, seminars, and workshops by industry experts
- ✓ Strong foundation for higher studies (MCA, MBA, M. Sc CS, M.Sc. DS)
- ✓ Roadmap to meet growing IT industry demands

Particulars	Description	
Programme Name	Bachelor of Computer Applications (BCA)	
Duration	3 Years (6 Semesters)	
Total Credits	120	
Mode of Delivery	Online and Digital Learning	
Evaluation Scheme	**Component**	**Weightage**
	Internal Assessment (Objective)	30%
	External Assessment Semester-End Proctored Examination (Objective & Subjective)	70%
	Total	**100%**
Target Learners	• Students who have completed 10+2 (PUC/Equivalent) and wish to pursue a career in IT • Working professionals seeking a foundational degree in Computer Applications • Entrepreneurs and startup aspirants in the digital domain • Learners aiming for careers in software development, web technologies, cloud computing, and emerging IT fields • Students planning for higher studies such as MCA, MBA, or other postgraduate programmes	
Award	• Degree awarded: Bachelor of Computer Applications (BCA) • Mode mentioned on certificate: Online Mode	

2. RUKMINI EDUCATIONAL CHARITABLE TRUST

It was the dream of late Smt. Rukmini Shyama Raju to impart education to millions of underprivileged children as she knew the importance of education in the contemporary society. The dream of Smt. Rukmini Shyama Raju came true with the establishment of Rukmini Educational Charitable Trust (RECT), in the year 2002. Rukmini Educational Charitable Trust (RECT) is a Public Charitable Trust, set up in 2002 with the objective of promoting, establishing and conducting academic activities in the fields of Arts, Architecture, Commerce, Education, Engineering, Environmental Science, Legal Studies, Management and Science & Technology, among others. In

furtherance of these objectives, the Trust has set up the REVA Group of Educational Institutions comprising of REVA Institute of Technology & Management (RITM), REVA Institute of Science and Management (RISM), REVA Institute of Management Studies (RIMS), REVA Institute of Education (RIE), REVA First Grade College (RFGC), REVA Independent PU College at Kattigenahalli, Ganganagar and Sanjaynagar and now REVA University. Through these institutions, the Trust seeks to fulfill its vision of providing world class education and create abundant opportunities for the youth of this nation to excel in the areas of Arts, Architecture, Commerce, Education, Engineering, Environmental Science, Legal Studies, Management and Science & Technology.

Every great human enterprise is powered by the vision of one or more extraordinary individuals and is sustained by the people who derive their motivation from the founders. The Chairman of the Trust is Dr. P. Shyama Raju, a developer and builder of repute, a captain of the industry in his own right and the Chairman and Managing Director of the DivyaSree Group of companies. The idea of creating these top notched educational institutions was born of the philanthropic instincts of Dr. P. Shyama Raju to do public good, quite in keeping with his support to other socially relevant charities such as maintaining the Richmond road park, building and donating a police station, gifting assets to organizations providing accident and trauma care, to name a few.

The Rukmini Educational Charitable Trust drives with the main aim to help students who are in pursuit of quality education for life. REVA is today a family of ten institutions providing education from PU to Post Graduation and Research leading to PhD degrees. REVA has well qualified experienced teaching faculty of whom majority are doctorates. The faculty is supported by committed administrative and technical staff. Over 13,000 students study various courses across REVA's three campuses equipped with exemplary state-of-the-art infrastructure and conducive environment for the knowledge driven community.

3. REVA UNIVERSITY OVERVIEW AND ACADEMIC LANDSCAPE

REVA University has been established under the REVA University Act, 2012 of Government of Karnataka and notified in Karnataka State Gazette No. 80 dated 27thFebruary, 2013. The University is empowered by UGC to award degrees any branch of knowledge under Sec.22 of the UGC Act. The University is a Member of Association of Indian Universities, New Delhi. The main objective of the

University is to prepare students with knowledge, wisdom and patriotism to face global challenges and become the top leaders of the country and the globe in different fields.

REVA University located between Kempegowda International Airport and Bangalore city, has a sprawling green campus spread over 45 acres of land and equipped with state-of-the-art infrastructure that provide conducive environment for higher learning and research. The REVA campus has well equipped laboratories, custom-built teaching facilities, fully air-conditioned library and central computer centre, the well-planned sports facility with cricket ground, running track & variety of indoor and outdoor sports activities, facilities for cultural programs. The unique feature of REVA campus is the largest residential facility for students, faculty members and supportive staff.

The University is presently offering 23 Post Graduate Degree programmes, 20 Degree and PG Degree programmes in various branches of studies and has 12000+ students studying in various branches of knowledge at graduate and post graduate level and 302 Scholars pursuing research leading to PhD in 18 disciplines. It has 800+ well qualified, experienced and committed faculty members of whom majority are doctorates in their respective areas and most of them are guiding students pursuing research leading to PhD.

The programmes being offered by the REVA University are well planned and designed after detailed study with emphasis with knowledge assimilation, applications, global job market and their social relevance. Highly qualified, experienced faculty and scholars from reputed universities / institutions, experts from industries and business sectors have contributed in preparing the scheme of instruction and detailed curricula for this programme. Greater emphasis on practice in respective areas and skill development to suit to respective job environment has been given while designing the curricula. The Choice Based Credit System and Continuous Assessment Graded Pattern (CBCS – CAGP) of education has been introduced in all programmes to facilitate students to opt for subjects of their choice in addition to the core subjects of the study and prepare them with needed skills. The system also allows students to move forward under the fast track for those who have the capabilities to surpass others. These programmes are taught by well experienced qualified faculty supported by the experts from industries, business sectors and such other organizations. REVA University has also initiated many supportive measures such as bridge courses, special coaching, remedial classes, etc., for slow learners so as to give them the needed input and build in them confidence and courage to move forward and accomplish success in their career. The University has also entered into MOUs with many industries, business firms and other institutions seeking their help in imparting quality education through practice, internship and also assisting students' placements.

REVA University recognizing the fact that research, development and innovation are the important functions of any university has established an independent Research and Innovation division headed by a senior professor as Dean of Research and Innovation. This division facilitates all faculty members and research scholars to undertake innovative research projects in engineering, science & technology and other areas of study. The interdisciplinary-multidisciplinary research is given the top most priority. The division continuously liaisons between various funding agencies, R&D Institutions, Industries and faculty members of REVA University to facilitate undertaking innovative projects. It encourages student research projects by forming different research groups under the guidance of senior faculty members. Some of the core areas of research wherein our young faculty members are working include Data Mining, Cloud Computing, Image Processing, Network Security, VLSI and Embedded Systems, Wireless Censor Networks, Computer Networks, IOT, MEMS, Nano-Electronics, Wireless Communications, Bio-fuels, Nano-technology for coatings, Composites, Vibration Energies, Electric Vehicles, Multilevel Inverter Application, Battery Management System, LED Lightings, Renewable Energy Sources and Active Filter, Innovative Concrete Reinforcement, Electro Chemical Synthesis, Energy Conversion Devices, Nano-structural Materials, Photo-electrochemical Hydrogen generation, Pesticide Residue Analysis, Nano materials, Photonics, Nana Tribology, Fuel Mechanics, Operation Research, Graph theory, Strategic Leadership and Innovative Entrepreneurship, Functional Development Management, Resource Management and Sustainable Development, Cyber Security, General Studies, Feminism, Computer Assisted Language Teaching, Culture Studies etc.

The REVA University has also given utmost importance to developing the much-required skills through variety of training programs, industrial practice, case studies and such other activities that induce the said skills among all students. A full-fledged Career Development and Placement (CDC) department with world class infrastructure, headed by a dynamic experienced Professor & Dean, and supported by well experienced Trainers, Counselors and Placement Officers.

The University also has University-Industry Interaction and Skill Development Centre headed by a Senior Professor & Director facilitating skill related training to REVA students and other unemployed students. The University has been recognised as a Centre of Skill Development and Training by NSDC (National Skill Development Corporation) under Pradhan Mantri Kaushal Vikas Yojana. The Centre conducts several add-on courses in challenging areas of development. It is always active in facilitating student's variety of Skill Development Training programs.

The University has collaborations with Industries, universities abroad, research institutions, corporate training organizations, and Government agencies such as Florida International University, Okalahoma State University, Western Connecticut University, University of Alabama, Huntsville, Oracle India Ltd, Texas Instruments, Nokia University Relations, EMC2, VMware, SAP, Apollo etc, to facilitate student exchange and teacher–scholar exchange programs and conduct training programs. These collaborations with foreign universities also facilitate students studying some of the programs partly in REVA University and partly in foreign university, viz, M.S in Computer Science one year in REVA University and the next year in the University of Alabama, Huntsville, USA.

The University has also given greater importance to quality in education, research, administration and all activities of the university. Therefore, it has established an independent Internal Quality division headed by a senior professor as Dean of Internal Quality. The division works on planning, designing and developing different quality tools, implementing them and monitoring the implementation of these quality tools. It concentrates on training entire faculty to adopt the new tools and implement their use. The division further works on introducing various examination and administrative reforms.

To motivate the youth and transform them into innovative entrepreneurs, successful leaders of tomorrow and committed citizens of the country, REVA organizes interaction between students and successful industrialists, entrepreneurs, scientists and such others from time to time. As a part of this exercise great personalities such as Bharat Ratna Prof. C. N. R. Rao, a renowned Scientist, Dr. N R Narayana Murthy, Founder and Chairman and Mentor of Infosys, Dr. K Kasturirangan, Former Chairman ISRO, Member of Planning Commission, Government of India, Dr. Balaram, Former Director IISc., and noted Scientist, Dr. V S Ramamurthy, Former Secretary, DST, Government of India, Dr. V K Aatre, noted Scientist and former head of the DRDO and Scientific Advisor to the Ministry of Defence Dr. Sathish Reddy, Scientific Advisor, Ministry of Defence, New Delhi and many others have accepted our invitation and blessed our students and faculty members by their inspiring addresses and interaction.

As part of its commitment to motivating and inspiring the youth, REVA University has instituted a range of awards, medals and prizes to recognise excellence and outstanding contributions in academics, research, innovation, sports, culture, social service and other fields. The University also honours distinguished personalities who have made significant contributions to society and the nation through the REVA Lifetime Achievement Award. The award recognises eminent personalities who

have made a lasting impact in their respective fields and is presented as part of the University's annual Founder’s Day Celebration.

The tradition of the REVA Lifetime Achievement Award was initiated in 2015 to recognise eminent personalities who have made significant contributions in their respective fields. The first award was conferred upon Shri A. S. Kiran Kumar, former Chairman, ISRO, in 2015, during the Founder’s Day Celebration held on 6 January 2016, followed by Shri Shekhar Gupta, renowned journalist, in 2016, on 6 January 2017. Subsequently, Dr. K. J. Yesudas, renowned playback singer, was honoured in 2017; Dr. Manju Sharma, Dr. K. Viswanath and Dr. Hamsalekha in 2019; Dr. Krishnaswamy Kasturirangan and Shri K. Raghavendra Rao in 2020; and Dr. Chandrashekar Kambar, Dr. Tessy Thomas and Dr. V. Ravichandran in 2022. In 2026, the award was conferred upon Air Chief Marshal Fali H. Major, former Chief of the Air Staff, Indian Air Force; Ms. Nirupama Menon Rao, former Foreign Secretary and Ambassador of India; and Ms. Jayasudha, renowned Indian actress. Through this prestigious recognition, REVA University continues to honour distinguished personalities whose achievements and contributions have made a significant and lasting impact on society and the nation.

REVA University places strong emphasis on the holistic development of students by providing opportunities to nurture their intellectual, creative, cultural, physical and social abilities. The University organises a wide range of cultural, literary, artistic, technical and co-curricular activities throughout the academic year. These initiatives enable students to discover and develop their talents, build confidence, demonstrate creativity, develop leadership and teamwork skills, and appreciate India's rich cultural heritage, traditions, ethical values and social responsibilities.

Cultural activities are conducted at the School and University levels through student clubs, cultural forums and major institutional events. The University's annual REVAMP continues to provide a platform for students to showcase their talents and participate in cultural, literary, sports and other co-curricular activities. The University also provides opportunities for students from other institutions to participate in intercollegiate activities, thereby promoting interaction, healthy competition, institutional bonding and national integration. In addition to REVAMP, various Schools organise cultural events and talent platforms through which students are encouraged to express themselves and participate actively in campus life.

The University has further strengthened its focus on India's cultural heritage through initiatives such as the Cultural Heritage Club, cultural heritage celebrations and activities conducted by the School of Performing Arts and Indic Studies. Recent programmes have included traditional art activities, storytelling sessions, classical dance workshops, cultural competitions, theatre, music concerts and

other performing-arts initiatives. In 2025, the Cultural Heritage Day programme provided students with opportunities to engage with traditional art forms, storytelling and Bharatanatyam, while SANSKRITI 2026 included traditional painting, heritage quizzes, classical and folk dance and classical singing competitions. Such initiatives provide students with experiential exposure to India's diverse cultural traditions while encouraging creativity and cultural awareness.

The School of Performing Arts and Indic Studies also conducts regular cultural and artistic programmes, including theatre productions, music concerts, cultural workshops, international conferences and Kala-Sanje, a monthly cultural event. These activities provide students with opportunities to participate in and learn different forms of Indian and contemporary performing arts while strengthening their appreciation of cultural heritage.

Another important institutional tradition is Shubha Vidaaya – Graduation Day, organised to commemorate the completion of the academic journey of graduating students. The occasion provides an opportunity to felicitate outgoing students and celebrate their achievements while inspiring them to pursue their future careers with integrity, responsibility and commitment to society. Eminent personalities and distinguished guests address the graduating students and encourage them to become responsible citizens and contribute meaningfully to their respective professions and society. Students who have excelled in academics, research, sports, cultural activities and other areas are also recognised through awards, medals and prizes. The tradition of recognising student excellence through Shubha Vidaaya has been an integral part of the University's academic culture.

REVA University also encourages excellence in sports and physical activities by recognising students who achieve distinction at university, state, national and international levels. Medals, prizes and awards are presented to outstanding sports achievers as part of the University's continuing efforts to promote physical fitness, discipline, teamwork, leadership and competitive spirit among students.

The University gives equal importance to health and well-being as components of holistic education. Regular Yoga programmes and wellness activities are organised for the University community, supporting physical fitness, mental well-being, concentration, self-discipline and emotional balance. The University also participates in and organises activities associated with the International Day of Yoga and other wellness initiatives. These programmes complement academic learning by encouraging students and members of the University community to adopt healthy and balanced lifestyles.

REVA University's commitment to cultural enrichment also extends to contemporary student engagement. Freshers' programmes and student-centred cultural activities provide new students with

opportunities to showcase their creativity, confidence and individual talents while building friendships and developing a sense of belonging to the University community. Recent initiatives such as IGNITE 2026 and MERAKI 2026 – Freshers' Week have combined cultural, creative, academic and sporting activities to facilitate student participation and engagement.

The University's commitment to excellence has also been recognised through several national and international rankings, awards and institutional recognitions. REVA University has been accredited with NAAC A+ and continues to be recognised in prominent national and international ranking frameworks. In the NIRF 2025, the University was placed in the 151–200 rank band in the University category and the 201–300 rank band in Engineering. In the THE World University Rankings 2026, REVA University was placed in the global 1501+ band, while in the THE Asia University Rankings 2026, it was placed in the 601–800 band and ranked 7th in Karnataka.

The University's schools and programmes have also received recognition in discipline-specific rankings. The GHRDC Rankings 2026 placed REVA University at Rank 1 in India, Karnataka and the South Region for MCA, Rank 2 in India, Karnataka and the South Region for Commerce, and among the leading institutions in BCA, Architecture, BBA, Law and Engineering. REVA has also received recognition through The Week, QS, THE Sustainability Impact Rankings, the Institutional Innovation Council, the Sustainable Institutions of India Green Rankings and other national and international platforms.

In addition to rankings, REVA University has received recognition for innovation, digital transformation, sustainability, employability and student project excellence. These include the Digii100 Award for Digital Excellence in Higher Education, the Making India Employable – Excellence in Higher Education Award 2025, recognition as a Best Performing College under the Karnataka State Council for Science and Technology Student Project Programme, and a 4-Star rating under the Institutional Innovation Council for 2023–24.

Through its continuing efforts in recognising excellence, promoting cultural heritage, encouraging sports and wellness, supporting creativity and innovation, and providing opportunities for meaningful student engagement, REVA University seeks to create an educational environment that goes beyond academic achievement. These initiatives contribute to the development of confident, creative, ethical, socially responsible and professionally competent graduates who are prepared to contribute positively to society and the nation.

REVA University Vision

To become a technologically advanced, sustainable global university dedicated to the wellbeing of all.

REVA University Misson

- Provide learner-centric education leveraged with cutting edge technologies.
- Foster stewardship by nurturing talent, leadership qualities, and entrepreneurial thinking in a safe and secure environment.
- Promote liberal studies and foster the pursuit of performing arts, literature, sports, and other creative and intellectual disciplines.
- Promote a culture of collaboration and cooperation.
- Serve humanity and promote sustainability through higher education based on universal values.

Objectives

- Developing a sense of ethics in the University and community, making it conscious of its obligations to society and the nation.
- Performing all the functions of interest to its major constituents like faculty, staff, students, and society to reach a leadership position.
- Smooth transition from teacher-centric focus to learner-centric processes and activities.
- To offer high-quality education in a competitive manner.
- Creation, preservation and dissemination of knowledge and attainment of excellence in different disciplines.

4. PROGRAMME VISION, MISSION AND OBJECTIVES

Programme Vision

To become a center of excellence in online computer education by nurturing competent, ethical, and innovative IT professionals equipped with strong technical foundations and industry-relevant skills to meet global digital challenges.

Programme Mission

- To provide high-quality online education in Computer Applications through outcome-based teaching and learning methodologies.
- To equip students with strong foundations in programming, software development, database management, networking, and emerging technologies.
- To foster innovation, problem-solving skills, entrepreneurship, and research aptitude among learners.
- To promote professional ethics, social responsibility, environmental awareness, and lifelong learning.
- To bridge the gap between academia and industry through practical exposure, projects, internships, and industry interaction.

Programme Educational Objectives (PEO's)

The aim of the Online BCA programme is to produce graduates with strong foundational knowledge and practical understanding of Computer Science and Applications, along with analytical, problem-solving, critical thinking, and transferable skills. The programme enables students to think logically and independently to meet the expectations of the IT industry, higher education, and entrepreneurial ventures in the digital domain.

The Programme Educational Objectives are to, within 3 to 5 years after graduation, prepare the students such that:

Graduates of the programme will be able to:

PEO1: Establish successful careers in software development, IT services, web and mobile application development, networking, cybersecurity, cloud computing, and related domains.

PEO2: Apply strong programming, analytical, and computational skills to design, develop, and implement efficient, scalable, and secure IT solutions.

PEO3: Pursue higher studies, professional certifications, and continuous learning to adapt to emerging technologies and evolving industry trends.

PEO4: Demonstrate ethical practices, effective communication, teamwork, leadership qualities, and entrepreneurial abilities in professional and societal contexts.

Programme Specific Outcomes (PSO's)

After successful completion of the programme, the graduates will be able to:

PSO1: Demonstrate proficiency in programming, data structures, database systems, and web technologies to design and develop efficient, reliable, and user-oriented software applications.

PSO2: Apply analytical thinking, modern development tools, teamwork, and project management principles to convert real-world problems into scalable and secure IT solutions with ethical and professional responsibility.

PSO3: Adapt to emerging technologies such as Artificial Intelligence, Cloud Computing, Cybersecurity, and Data Analytics through continuous learning, innovation, and research-oriented practices.

Programme Outcomes (PO's)

Upon completion of the Online BCA Programme, graduates will be able to:

PO1 (Computational Knowledge): Apply knowledge of computing fundamentals, mathematics, and domain concepts to solve IT-related problems.

PO2 (Problem Analysis): Identify, analyze, and formulate computing problems using logical reasoning and appropriate tools.

PO3: Design & Development of Solutions

Design, develop, and evaluate software systems, applications, and IT solutions that meet specified requirements.

PO4: Modern Tool Usage

Use modern programming languages, frameworks, development platforms, and software tools effectively.

PO5: Individual & Team Work

Function effectively as an individual, team member, or team leader in multidisciplinary environments.

PO6: Professional Ethics

Understand and apply ethical principles, cyber laws, and professional responsibilities in computing practices.

PO7: Environment & Sustainability

Understand the impact of computing solutions on society, environment, and sustainability.

PO8: Project Management

Apply project management principles and entrepreneurial skills in software development and IT ventures.

PO9: Lifelong Learning

Engage in continuous learning to adapt to emerging technologies and changing industry requirements.

5. RELEVANCE OF THE PROGRAMME WITH HEI'S MISSION AND GOALS

The Bachelor of Computer Applications (BCA) – Online & Digital Learning Mode is strategically designed to advance and operationalize the overall mission, vision, and institutional goals of Higher Education Institution's (HEI).

Alignment with the Core Mission of the Higher Education Institution

Higher Education Institutions aim to:

- Deliver quality education
- Ensure inclusivity and accessibility
- Strengthen industry and societal engagement
- Enhance employability
- Promote research and innovation
- Foster ethical and socially responsible leadership

The BCA Online programme contributes to these objectives in the following ways:

1. Contribution to Academic Excellence and Quality Education

HEI Mission Component:

The programme delivers high-quality, outcome-based education through the following key features:

- A structured 120-credit curriculum aligned with UGC Online Regulations
- Implementation of an Outcome-Based Education (OBE) framework with clear PEO–PO–PSO alignment
- Continuous Internal Assessment complemented by proctored external examinations
- Integration of industry-oriented case studies and applied projects
- Specialization continuity to ensure academic depth and progressive learning

Thus, the programme strengthens REVA University's commitment to academic rigor, quality assurance, and regulatory compliance in online higher education.

2. Contribution to Access, Equity, and Inclusivity

HEI Mission Component: The Programme expands access to higher education across socio-economic groups through the following:

- Removes geographical barriers through digital delivery.
- Enables working professionals to pursue higher education without career interruption.
- Provides access to learners from rural and semi-urban regions.
- Supports women returnees and career-transition professionals.
- Provides flexible scheduling and learning support for working and remote learners.

This directly supports the HEI's responsibility to democratize higher education and widen participation.

3. Contribution to Industry Integration and Employability

HEI Mission Component:

The programme promotes employability and industry-oriented learning through the following:

- **Progressive Skill Development Across Semesters:**
    - **Semester I–II:** Builds foundational skills in programming (C, Java), digital fundamentals, mathematics, and communication.
    - **Semester III:** Strengthens practical competencies through Python, database management systems, computer networks, and laboratory courses.
    - **Semester IV–V:** Focuses on advanced and industry-relevant areas such as cloud computing, web application development, software engineering, machine learning, cybersecurity, and DevOps.
    - **Semester VI:** Emphasizes emerging technologies including generative AI, advanced web development, and elective domains such as ethical hacking, blockchain, robotics, and deep learning.
- **Project-Based Learning:**
    - ✓ A **major project in the final semester** enables students to apply theoretical knowledge to real-world problems, enhancing problem-solving ability and industry readiness.
- **Practical and Laboratory Integration:**
    - ✓ Hands-on learning through programming, database, cloud, and machine learning labs ensures application-oriented skill development.

- **Specialization and Elective Flexibility:**
  - ✓ Elective courses in advanced domains allow students to develop domain-specific expertise aligned with current industry trends.
- **Integration of Emerging Technologies:**
  - ✓ The curriculum incorporates cutting-edge areas such as artificial intelligence, machine learning, cloud computing, cybersecurity, and data-driven systems.

This ensures that the programme goes beyond theoretical learning and equips students with practical, industry-relevant skills aligned with evolving labor market requirements.

4. Contribution to Research, Innovation, and Knowledge Creation

HEI Mission Component:

The programme contributes to research and innovation through application-oriented and exploratory learning approaches:

- **Applied Research through Projects:**
  - ✓ The major project in the final semester enables students to analyze problems, design solutions, and develop applications, reflecting basic research and investigative skills.
- **Technology-Driven Exploration:**
  - ✓ Courses in artificial intelligence, machine learning, generative AI, and cloud computing encourage students to explore new technologies and emerging trends.
- **Practical and Experimental Learning:**
  - ✓ Laboratory-based courses support experimentation, testing, and validation of concepts, fostering a research-oriented mindset.
- **Problem-Solving and Analytical Thinking:**
  - ✓ Courses in programming, data structures, and mathematics develop logical reasoning and analytical skills essential for research and innovation.
- **Entrepreneurship and Innovation Orientation:**
  - ✓ Courses such as Entrepreneurship and Startup Ecosystem and Design Thinking and Innovation promote idea generation, creativity, and innovative thinking.

This approach supports the development of inquiry-based learning, innovation, and foundational research skills within the HEI's academic ecosystem.

5. Contribution to Responsible and Sustainable Development

HEI Mission Component:

The programme promotes ethical values, responsible computing, and sustainability through the following:

- **Ethics and Social Responsibility:**
  - ✓ Courses such as Indian Constitution and Indian Knowledge System foster ethical awareness, social responsibility, and cultural values.
- **Responsible Use of Technology:**
  - ✓ Courses like Cyber Security emphasize data privacy, cyber laws, and ethical computing practices.
- **Sustainable Computing Practices:**
  - ✓ Concepts in cloud computing, networking, and system design encourage efficient and responsible use of computing resources.
- **Innovation for Societal Impact:**
  - ✓ Courses such as Design Thinking and Innovation and Entrepreneurship and Startup Ecosystem promote solutions to real-world and societal challenges.
- **Programme Outcomes (PO6 & PO7):**
  - ✓ Programme outcomes explicitly emphasize professional ethics, societal responsibility, and environmental sustainability in computing practices.

This ensures alignment with national priorities such as NEP 2020 and Sustainable Development Goals (SDGs), and supports the University's commitment to societal development.

6. Contribution to Digital Transformation of the Institution

HEI Mission Component:

The programme promotes technology-enabled education and digital excellence through the following:

- **LMS-Driven Academic Delivery:**
  - ✓ The programme is delivered through a fully integrated Learning Management System (LMS), enabling access to learning resources, assessments, and interactive sessions.
- **Online Assessment and Evaluation:**
  - ✓ The programme utilizes online assessment mechanisms, including proctored examinations and continuous evaluation methods.
- **Digital Learning Resources and Support:**

- ✓ E-study materials, self-assessment tools, and digital student support systems enhance the overall learning experience.

- **Flexible and Scalable Online Education Model:**
  - ✓ The programme supports flexible, remote learning and contributes to the institution's digital education initiatives.

This programme strengthens REVA University's strategic expansion in digital and online education.

6. NATURE OF PROSPECTIVE TARGET GROUP OF LEARNERS

The programme caters to:

- Students seeking a career in the IT and software industry.
- School graduates (10+2) aspiring to pursue computing and technology-based education.
- Working professionals seeking to upgrade their technical and programming skills.
- Learners aiming to build careers in software development, data analysis, and IT services.
- Learners from rural and semi-urban regions seeking access to quality higher education.
- Individuals interested in emerging technologies such as AI, cloud computing, and cybersecurity.

The flexible online design ensures accessibility, affordability, and continuity of learning.

7. APPROPRIATENESS OF ONLINE MODE FOR SKILL ACQUISITION

The BCA curriculum is highly suitable for online mode because:

- Conceptual learning is effectively delivered through structured LMS modules, video lectures, and digital content.
- Programming and practical skills can be developed through coding platforms, virtual labs, and guided assignments.
- Hands-on learning is supported through lab-based courses in programming, databases, cloud computing, and machine learning.
- Project-based learning enables students to apply concepts and develop real-world applications in a digital environment.
- Assessment integrity is maintained through online proctored examinations and continuous evaluation methods.

The programme develops:

- Technical and programming expertise
- Problem-solving and analytical skills
- Digital and computing competence
- Communication and teamwork skills
- Ethical and responsible computing practices

8. PROGRAMME INSTRUCTIONAL DESIGN

Curriculum Architecture – Semester-Wise Progression

Program Code: DAOL

FIRST SEMESTER							
Sl. No	**Course Code**	**Course Title**	**Course Type**	**Credit Pattern**			**Credits**
				L	**T**	**P**	
1	B26DAOL0101	Communicative English	DSC	1	1	0	2
2	B26DAOL0102	Digital Fundamentals and Computer Architecture	DSC	3	1	0	4
3	B26DAOL0103	Mathematics for Computer Applications-I	IDC	3	1	0	4
4	B26DAOL0104	Problem Solving using C	DSC	3	1	1	5
5	B26DAOL0105	Indian Knowledge System	VAC	1	1	0	2
Total Credits							**17**

SECOND SEMESTER							
Sl. No	**Course Code**	**Course Title**	**Course Type**	**Credit Pattern**			**Credits**
				L	**T**	**P**	
1	B26DAOL0201	Data Structures using C	DSC	3	1	1	5
2	B26DAOL0202	Object Oriented Programming	DSC	3	1	1	5

		using Java					
3	B26DAOL0203	Operating Systems	DSC	3	1	0	4
4	B26DAOL0204	Mathematics for Computer Applications-II	IDC	3	1	0	4
5	B26DAOL0205	Indian Constitution	VAC	1	1	0	2
Total Credits							**20**

THIRD SEMESTER

Sl. No	Course Code	Course Title	Course Type	Credit Pattern			Credits
				L	T	P	
1	B26DAOL0301	Relational Database Management System	DSC	3	1	0	4
2	B26DAOL0302	Python Programming	DSC	3	1	0	4
3	B26DAOL0303	Computer Networks	DSC	3	1	0	4
4	B26DAOLS311	Fundamentals of Artificial Intelligence	DSE	3	1	0	4
	B26DAOLS312	Cyber Security Essentials					
	B26DAOLS313	User Interface Design					
Practical Courses							
5	B26DAOL0304	Python Programming Lab	DSC(P)	0	0	2	2
6	B26DAOL0305	RDBMS Lab	DSC(P)	0	0	2	2
Total Credits							**20**

FOURTH SEMESTER

Sl. No	Course Code	Course Title	Course Type	Credit Pattern			Credits
				L	T	P	
1	B26DAOL0401	Cloud Computing	DSC	3	1	0	4
2	B26DAOL0402	Web Application Development	DSC	3	1	0	4

		Framework					
3	B26DAOL0403	Software Engineering	DSC	3	1	0	4
4	B26DAOLS411	Data Mining	DSE	3	1	0	4
	B26DAOLS412	Ethical Hacking					
	B26DAOLS413	UI/UX					
5	B26DAOL0404	Design Thinking and Innovation	SEC	1	1	0	2
Practical Courses							
6	B26DAOL0405	Cloud Computing Lab	DSC(P)	0	0	2	2
7	B26DAOL0406	Web Application Development Framework Lab	DSC(P)	0	0	2	2
Total Credits							**22**

FIFTH SEMESTER							
Sl. No	**Course Code**	**Course Title**	**Course Type**	**Credit Pattern**			**Credits**
				L	**T**	**P**	
1	B26DAOL0501	Blockchain Technology	DSC	3	1	0	4
2	B26DAOL0502	Machine Learning	DSC	3	1	0	4
3	B26DAOL0503	Mobile App Development	DSC	3	1	0	4
4	B26DAOLS511	Bigdata Analytics	DSE	3	1	0	4
	B26DAOLS512	Cloud Security					
	B26DAOLS513	DevOps					
5	B26DAOL0504	Entrepreneurship and Startup Ecosystem	SEC	1	1	0	2
Practical Courses							
6	B26DAOL0505	Machine Learning Lab	DSC(P)	0	0	2	2
Total Credits							**20**

SIXTH SEMESTER							
Sl. No	**Course Code**	**Course Title**	**Course Type**	**Credit Pattern**			**Credits**
				L	**T**	**P**	
1	B26DAOL0601	Generative AI	DSC	3	1	0	4
2	B26DAOL0602	Internet of Things	DSC	3	1	0	4
3	B26DAOLS611	Deep Learning	DSE	3	1	0	4
	B26DAOLS612	Cyber Law and Digital Forensics					
	B26DAOLS613	Software Testing and Quality Assurance					
4	B26DAOLS621	Recommender Systems	DSE	3	1	0	4
	B26DAOLS622	Web and Application Security					
	B26DAOLS623	Software Project Management					
Major Project							
5	B26DAOL0603	Major Project	DSC(P)	0	0	5	5
Total Credits							**21**

CREDIT SUMMARY	
Semester	**Credits**
First	**17**
Second	**20**
Third	**20**
Fourth	**22**
Fifth	**20**
Sixth	**21**
TOTAL	**120**

CURRICULUM STRUCTURES				
Type of Course	**No. of Courses**	**Offered in Semester**	**Credits**	**Total Credits**
DSC	17	1,2,3,4,5 and 6	69	120
DSE	5	3,4,5 and 6	20	
IDC	2	1 and 2	8	
VAC	2	1 and 2	4	
SEC	2	4 and 5	4	
Practicals (DSC-P)	5	3,4 and 5	10	
Project (DSC-P)	1	6	5	

LEGENDS	
Type	**Brief**
DSC	Discipline Specific Course (DSC): A course that forms an essential part of the core discipline of study and provides fundamental knowledge and competencies in the concerned discipline. These courses are compulsory for students enrolled in the programme.
DSE	Discipline Specific Elective (DSE): Elective courses offered within the main discipline or subject of study. These courses provide students with an opportunity to develop knowledge and skills in specialized areas of the discipline.
IDC	Inter-Disciplinary Course (IDC): A course that provides students with knowledge and perspectives from a discipline or subject area other than their primary discipline. These courses promote interdisciplinary learning and broader academic exposure.
VAC	Value Added Course (VAC): A course designed to provide additional knowledge, values, awareness, or competencies beyond the core curriculum. These courses support the holistic development of students and enhance their academic and

	professional capabilities.
SEC	Skill Enhancement Course (SEC): A course designed to develop practical, technical, professional, or transferable skills. SECs focus on hands-on learning, competency development, and application-oriented knowledge.
DSC-P	Practical Course (DSC-P): A practical component associated with the discipline-specific curriculum, designed to provide hands-on experience and application of concepts through laboratory exercises, programming, experimentation, or other practical activities.
Project (DSC-P)	Project: A discipline-specific project undertaken by students to apply the knowledge and skills acquired throughout the programme to a practical or real-world problem. The project involves planning, implementation, analysis, documentation, and presentation of the outcomes.

9. FACULTY AND SUPPORT STAFF REQUIREMENTS

1. Programme Coordinator (One per Programme): A full-time faculty member in the subject area of the concerned programme shall serve as the Programme Coordinator for the Online Programme. The Programme Coordinator shall be responsible for overall coordination of the development, delivery and assessments of the learners in an Online Programme.
2. Course Coordinator (One per Course): An Online Programme may have more than one Course. In such a case, one full-time dedicated Faculty in the subject area of the concerned Course shall be Course Coordinator for each of the Courses of an Online Programme. The Course Coordinator shall coordinate the development, delivery and assessments of the learners in the Course.
3. Course Mentor (One per batch of 250 learners): Course Mentor shall assist the Programme/Course Coordinator in providing academic support to learners and also in managing virtual teacher-learner interaction groups.
4. Examiners: For the assessment of the online learners in a Course from among the qualified faculty from within the Institution or from other Institutions.
5. Student Support Services: Student would have the access to connect with the SRO for support services offered by Center for Distance & Online Education (CDOE), REVA University in case of any queries related to administration and general technical queries. A ticketing system

integrated on the LMS would help the learner to connect with the CDOE, REVA University technical team for support services which shall be duly resolved by the appropriate authority. A notification will also be sent to the Deputy Registrar, to ensure queries are resolved within 24 hours or sooner. For academic course based queries, the student will raise query which will be directly notified to the Course Coordinator, Programme Coordinator and Deputy Director through an open discussion form. The query should be resolved within 48 hours of the query raised; otherwise the matter should be managed and resolved by the Programme Coordinator. The same should be ensured by the Deputy Director.

10.PROCEDURE FOR ADMISSIONS AND CURRICULUM TRANSACTION

i. Appropriateness of Online BCA Programme and Prospective Target Group of Learners

The Online BCA Programme of REVA University is designed to provide flexible, industry-oriented education in computer applications and information technology through digital learning mode. The programme aims to develop strategic thinking, leadership capability, analytical skills, digital competence, and responsible computing practices among learners.

The programme is suitable for:

- Working professionals seeking career growth, promotion, or IT upskilling.
- Entrepreneurs and start-up aspirants interested in technology-driven ventures.
- Students aspiring for careers in software development and IT services.
- Learners interested in programming, computing, and emerging technologies.
- Aspirants seeking careers in data analytics, cloud computing, cybersecurity, artificial intelligence, and related domains.
- Learners who discontinued education due to social, financial, or personal reasons.
- Learners residing in remote and semi-urban regions with limited access to higher education institutions.
- Individuals of any age who require flexible learning schedules and self-paced education.

ii. Procedure for Admission

Candidates seeking admission to the Online BCA Programme offered by the School of Online & Distance Learning, REVA University, are required to apply through the official university website: www.online.reva.edu.in

a. Minimum Eligibility Criteria for Admission

The duration and entry-level qualifications for the Online BCA Programme shall be in accordance with the regulations and guidelines issued by the University Grants Commission (UGC) from time to time for programmes offered under Online (OL) mode.

As per UGC norms, the minimum eligibility criteria for admission to the Online Bachelor of Computer Applications (BCA) programme is:

- The candidate must have passed 10+2 / PUC / Higher Secondary Examination or equivalent from a recognized Board.
- The candidate must have obtained a minimum of 45% marks in the qualifying examination (or as prescribed by the University from time to time).
- For candidates belonging to reserved categories, relaxation in minimum percentage of marks shall be applicable as per Government/UGC norms.

The learner must fulfill all documentation requirements as mentioned on the University website at the time of admission. Admission shall remain provisional until verification of all original documents. The admission will stand cancelled if the candidate fails to submit proof of eligibility within the stipulated time prescribed by the University.

Candidates are advised to carefully read all instructions provided in the Programme Prospectus before filling out the online application form.

b. Online BCA Admission Process

The admission process is fully online and involves the following steps:

Step	Process	Particulars
Step 1	Counselling	Prospective students would be counselled for the chosen programme by designated and authorized counsellors
Step 2	Registration on admission portal to get access to My Account.	Prospective student registers by paying ₹1450 as registration fee. Fill all the details in the application form and upload all the mandatory documents.

Step 3	Details of Document upload for Online BCA programme	Student Uploads document as follows- **Personal Documents:** i. Passport-size Photograph with Student's Signature ii. Aadhar Card (Back & Front) iii. Passport (For International Student) **Academic Documents:** i. 10th Marksheet ii. 12th Marksheet iii. Other Certificates **(detailed list of documents is provided in below Table:)**
Step 4	Scholarship Details	Student will be eligible for below categories- i. Merit Base ii. REVA Alumni iii. Extra Curriculum Excellence iv. REVA Employees As per the Notice by Deputy Registrar | Department of Administration, of REVA Univeristy
Step 5	Verification of documents by the Deputy Registrar	Deputy Registrar, Department of Administration verifies all the uploaded documents by the prospective student on the admission portal and approve/disapprove within 48 hours the eligibility for the chosen programme.
Step 6	Undertaking	Student will sign Undertaking after Approval in Application.
Step 7	Payment of fees	All eligible students, duly approved by the Deputy Registrar, will get fees payment notification link for payment. The Fee is payable through any of the following means: i. UPI ii. Credit/Debit Card iii. Net-banking Note: Cash, bank demand draft and Cheques are not accepted

Step 8	Enrolment	After the payment of programme fee, the eligible student will get the Enrolment number and access to the LMS.
Step 9	Access to Learning Management System (LMS)	

Detailed list of documents: (of Step 3)

Admission Documents	**Format (JPEG/PNG/PDF)**	**Documents Size**
Duly filled online application form with student signature	Digital signature/Student signature JPEG/PNG	20 KB
Colour scan copy of all year/semester mark sheet/grade cards or consolidated mark sheet/grade cards also accepted.	PDF/JPEG	500 KB
Colour scan copy of 10th std. Mark sheet/grade card	PDF/JPEG	
Colour scan copy of 12th std./ Three-Year Polytechnic Diploma Mark sheet/grade card	PDF/JPEG	
Colour scan copy of passport size photograph	JPEG or PNG Format	50 KB
Colour scan copy of Govt. Photo id proof, Aadhar card is mandatory. (Other options: Voter's id, Driving License, Passport etc.)	PDF/JPEG	100 KB
In case of name change, Gazette notification documents for name changes	PDF	500 KB
For married women – marriage certificate would be accepted – provided previous maiden name is clearly mentioned in the same.		
In case of deferred Father name or mother name in such cases without a Gazette notification document.		
If foreign student: colour scan copy of passport	PDF/JPEG	500 KB

Fees submission transaction details or receipt as per University policy for respective online programmes	PDF/JPEG	500 KB
Digitally Signed undertaking as per the process	PDF	500 KB

c. General Instructions:

1. All students should carefully read and understand the eligibility conditions given in student handbook documents and mentioned on the university website before applying for the online programmes.
2. The prospective learner must ensure that their education/qualifying degree has been issued from a recognized university/board only. For learners from an Indian higher education institution, it should be recognized by the regulatory authority of Government of India. For recognized Board of Education to check www.cobse.org.in/ while for Polytechnic Diploma check the respective State Board of Technical Education. To verify degrees from www.ugc.ac.in for recognized universities. For foreign prospective learners they may verify their institutions from www.aiu.ac.in.
3. Prospective learners check their eligibility on the date of admission and should have passed the qualifying exams before the start of admission batch.
4. Registration fee of ₹1450 is non-refundable.
5. Students after enrolment must be registered with ABC (Academic Bank of Credits) a central scheme for depositing credit formulated by Ministry of Education, Govt. of India. Academic Bank of Credits (ABC) ID creation is mandatory for all students.

d. Academic Bank of Credit Id Creation Process

All students must be registered with ABC (Academic Bank of Credits) a central scheme for depositing credit formulated by the Ministry of Education, Govt. of India. ABC Id creation is mandatory for all the enrolled students especially students of Indian nationality. The ABC Id can be created by students themselves using Digi-locker, UMANG application, ABC portal or Academic Institution Portal. The process for which is provided below.

Process	• Students can register by logging in at www.abc.digilocker.gov.in • Click on My Account → Login as Student • Click on "Sign up with DigiLocker" → Enter valid mobile number → An OTP is sent at the phone number via SMS → Enter the OTP and click on "Continue" button → Enter Security PIN set created during Sign Up and click "Submit" Button • You will be prompted with ABC student account creation window
Documents and proofs Required	• Aadhaar Card is mandatory for ABC Id creation • Learners Name • Date of Birth • Gender • Enrolment Number • Requirements by Academic Institution • Mobile Number

*The University will provide necessary support for ABC ID creation.

iii. Curriculum Transaction:

Programme fee will be displayed on www.online.reva.edu.in from time to time. NBFC finance options will be made available for the students. The details of the same will be www.online.reva.edu.in.

11.PROGRAMME DELIVERY MECHANISM

REVA University has a fully dedicated team of faculty members and staff who are well versed in delivering online lectures under the Center for Distance & Online Education (CDOE), REVA University. Academic calendar will be provided to students at the beginning of each session through LMS. Self-learning material, audio and video content will be shared with the students through LMS through following four Quadrants approach.

- Quadrant-I: This includes number of weeks required based on the credits. Ex: for 4 credits – 12 weeks
- Quadrant- II: This involves a combination of live classes or use a discussion forum. Students can participate in these interactive live classes or use a discussion forum to clarify doubts with subject matter experts and share views associated with Lectures and tutorials

- Quadrant-III: This involves the combination of e-content and e-tutorial. The e-content provides self-instructional material like e-books, illustrations, ppt/pdf, case studies, presentations, and web resources for self-study. The e-tutorial supports recorded lectures, open-source contents/audio/videos etc associated with practical or self-study time.
- Quadrant-IV (Self-Assessment): This includes assignments, seminars, tests, and quizzes to help students evaluate their progress.

Distribution of hours per credit based on the Online programmes requirements:

Credit	**No. of Weeks I**	**No. of Interactive Sessions (hrs) - II**		**No. of Study hours – III**		**Self-Assessment IV**	**Total hours**
		Live Sessions	**Discussion forums**	**e-content**	**e-tutorial**		
2	6	6	12	10	10	22	60
3	9	9	18	15	15	33	90
4	12	12	24	20	20	44	120
5	13	13	26	25	25	55	150
6	14	14	28	30	30	66	180
8	16	16	32	40	40	88	240

The delivery model through the Learning Management System (LMS) includes:

- e-Books (SLM) for each module of a course
- Study Guide (PPT) for each module of a course
- Recorded / Tutorials Videos for each module of a course
- Live Interactive Online Sessions for each module of a course
- Frequently Asked Questions (FAQ) and Misconceptions for each module of a course
- Digital Library Access
- Web Resources for Research Purpose for each module of a course
- Practice Assignments for each module of a course
- Quiz based assessments
- Online Discussion Forums for each course
- Case studies

The framework ensures 24x7 access to academic resources, structured learner support, moderated discussion forums, and proctored online examinations, thereby maintaining quality, transparency, and academic integrity.

This blended digital approach enables working professionals and remote learners to experience structured, interactive, and industry-relevant computing and IT education without geographical constraints.

Academic Calendar: It includes the following components:

Sr. No.	Activity	Jan Cycle	July Cycle
		Tentative months	
1	Admission Period	November to March	April to October
2	Self-Learning Period	November to March	April to October
3	Live Lectures	April onwards	November onwards
4	Continuous Internal Assessments (CIA)	From 5th week onwards	From 5th week onwards
5	Semester End Exams (Proctored)	August / September	March / April
6	Declaration of Results	October	May
7	Re-registrations	October	May

Evaluation Scheme

The Programme adopts rigorous process in development of question papers, question / quiz banks, assignments and their moderation, conduct of examinations, analysis of answer scripts by qualified academics, and declaration of result.

Assessment and Evaluation of each Course shall be for 100 marks. The Internal Assessment (IA) and Semester End Proctored Examination (SEPE) of UG programs shall carry 30 marks internal assessment and 70 marks semester end examination.

The following table provides the scheme of Assessment and Evaluation:

Component	Weightage
Internal Assessment	30%
External Proctored Examination	70%
Total	100%

Continuous Internal Assessment (CIA): Weightage 30%

This component carries the weightage of 30%.

There would be 3 CIAs each carries 10% weightage.

Semester End Examination (Online proctored examination) Weightage 70%

The Semester End examination will be conducted twice a year, tentatively in the months of April and September.

Students will be permitted to appear for the examination if they submit the examination registration form within the prescribed timeline. For appearing in the Examination, every student must submit an examination form through Online before the due date.

The CoE of the University shall oversee the examinations and the evaluation system.

12.LABORATORY SUPPORT & LIBRARY RESOURCES

Laboratory Support is provided through the following:

- Programming and Coding Platforms
- Virtual Labs
- Cloud Computing Platforms
- Database Management Tools
- Cybersecurity and Networking Tools
- AI/ML Development Environments

Library Resources

REVA University's Central Library isn't a traditional "online lab," but rather a hub for extensive digital resources, offering **e-journals, e-books, NDL, NPTEL access**, and a **Digital Library Centre** with 210 computers for online learning, complemented by specialised labs like the **AICTE IDEA Lab and Makers Lab** for hands-on innovation and digital fabrication. While the library itself is a digital resource centre, specific departments run dedicated labs (e.g., Computer Science labs, Language Lab) and innovation centres (IDEA Lab, Makers Lab) with online integration for practical skills.

Remote Access to E-Resources

REVA University Central Library provides seamless remote access to e-resources for faculty, staff, research scholars, and students. This service enables users to access the library's extensive digital collections anytime and from any location, ensuring uninterrupted academic and research support beyond the campus. Access the Remote Login portal here: https://reva.knimbus.com/user#/home

13.COST ESTIMATE & PROVISIONS

Sl. No.	Heading	Cost Estimate
1	Programme Development Cost	20%
2	Delivery Cost	30%
3	Maintenance & Upgradation	45%
4	Postal Expenses	5%

The cost structure ensures sustainability and academic quality.

14.QUALITY ASSURANCE MECHANISM

Quality of a Programme depends on the course curriculum, syllabus and academic delivery which is designed to meet the gap between industry and academia. To achieve this Centre for Internal Quality Assurance (CIQA) and the Academic Council shall duly fulfil their duties.

The Centre for Internal Quality Assurance (CIQA) shall be responsible for:

1. To maintain quality in the services provided to the learners.
2. To undertake self-evaluative and reflective exercises for continual quality improvement in all the systems and processes of the Higher Educational Institution.
3. To contribute in the identification of the key areas in which Higher Educational Institution should maintain quality.
4. To devise mechanism to ensure that the quality of Open and Distance Learning programmes and Online programmes matches with the quality of relevant programmes in conventional mode.
5. To devise mechanisms for interaction with and obtain feedback from all stakeholders namely, learners, teachers, staff, parents, society, employers, and Government for quality improvement.
6. To suggest measures to the authorities of Higher Educational Institution for qualitative improvement.
7. To facilitate the implementation of its recommendations through periodic reviews.
8. To organise workshops/ seminars/ symposium on quality related themes, ensure participation of all stakeholders, and disseminate the reports of such activities among all the stakeholders in Higher Educational Institution.
9. To develop and collate best practices in all areas lead to quality enhancement in services to the learners and disseminate the same all concerned in Higher Educational Institution.
10. To collect, collate and disseminate accurate, complete and reliable statistics about the quality of the programme(s).

11. To ensure that Programme Project Report for each programme is according to the norms and guidelines prescribed by the Commission and wherever necessary by the appropriate regulatory authority having control over the programme;
12. To put in place a mechanism to ensure the proper implementation of Programme Project Reports.
13. To maintain a record of Annual Plans and Annual Reports of Higher Educational Institution, review them periodically and generate actionable reports.
14. To provide inputs to the Higher Educational Institution for restructuring programmes to make them relevant to the job market.
15. To facilitate system-based research on ways of creating learner centric environment and to bring about qualitative change in the entire system.
16. To act as a nodal coordinating unit for seeking assessment and accreditation from a designated body for accreditation such as NAAC etc.
17. To adopt measures to ensure internalisation and institutionalisation of quality enhancement practices through periodic accreditation and audit.
18. To coordinate between Higher Educational Institution and the Commission for various quality related initiatives or guidelines. To obtain information from other Higher Educational Institutions on various quality benchmarks or parameters and best practices.
19. To obtain information from other Higher Educational Institutions on various quality benchmarks or parameters and best practices.
20. To record activities undertaken on quality assurance in the form of an annual report by the Centre for Internal Quality Assurance.
21. It will be mandatory for Centre for Internal Quality Assurance to submit Annual Reports to the Statutory Authorities or Bodies of the Higher Educational Institution about its activities at the end of each academic session. A copy of report in the format as specified by the Commission, duly approved by the statutory authorities of the Higher Educational Institution, shall be submitted annually to the Commission.

The CDOE-REVA will work continuously for the betterment of processes, assessments, teaching methodology, e-learning material improvisation as per four quadrant approach and implementation of the same as per New Education Policy. The University is committed to deliver the best education in all the learning modes with adherence to NEP, UGC and other regulatory guidelines in true global sense.