



Established as per the section 2(f) of the UGC Act, 1956, Approved by AICTE, COA & BCI, New Delhi



**REVA**  
UNIVERSITY

Bengaluru, India

**LEARNING**  
**UNLIMITED...**



2022

COMPUTER  
SCIENCE AND  
ENGINEERING

#REVAolutionary Learning



All that man has to do is to take care of three things;  
good thought, good word, good deed.

- Swami Vivekananda



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## About REVA University

Building Dreams. Designing Future.

Established under the REVA University Act 2012, the University is recognised by the University Grants Commission (UGC) and is approved by the AICTE (All India Council for Technical Education). REVA University prides itself in contributing to every student's holistic development. The University currently offers 49 full-time Under Graduate Programmes, 28 full-time Post Graduate programmes, 2 part-time Post Graduate programmes. The University offers programmes in Engineering, Architecture, Science and Technology, Commerce, Management Studies, Law, Arts & Humanities, and Performing Arts. Courses are offered in Certificate/Diploma and Post Graduate Diploma too. REVA University facilitates research leading to a Doctoral Degree in all disciplines.

The programmes offered by REVA University are well-planned and designed based on methodical analysis and research with emphasis on knowledge assimilation, practical applications, hands-on training, global and industrial relevance, and their social significance. REVA University believes in preparing students through the Choice Based Credit System (CBCS) and Continuous Assessment and Grading Pattern (CAGP) of education.

The CBCS & CAGP pattern of education has been introduced in all programmes to enable students to opt for subjects of their choice in addition to the core subjects of study and to train them with vocational skills. This methodology helps students earn more credits and facilitates students to pursue additional Proficiency Certificates and Diplomas.

The faculty is an active part of the academic dialogue. Teachers and instructors with illustrious academic experience are the architects of the meticulously designed curriculum and program modules offered at REVA University. They come with industrial exposure and experience that often translates through their teaching, thus bridging the gap between the industry and academia.

REVA University has an updated, ever-evolving collection of books, journals, and digital content in the library with the latest IT infrastructure that ensures students have information at their disposal.

The lush green campus, state-of-the-art laboratories, custom-designed classrooms to enable seamless learning, and world-class indoor and outdoor sports facilities make REVA University the most preferred university among students and MNCs that visit the campus for placements.

Building  
**DREAMS**  
Designing Future



## FROM THE CHANCELLOR'S DESK



Dear game changers,

Welcome to REVA University!

I like to address the student populace as game-changers because we, at REVA, believe in the phenomenal power of the youth, and their powerful ideas. As students, you hold the power to transform society and change the paradigm of every development – economic, social, and cultural. Gen Z is born with immense capabilities that can change the face of a nation, and we are proud to cultivate, nurture, and discipline such game-changers at REVA University. The University is driven by the founding philosophy that 'Knowledge is Power', and we are striving to build a community of perpetual learners who can achieve everything they aspire. To build such a community, learning should be continuous, and cross all borders. Hence, REVA University has adopted the mission to make learning unlimited. Our driving principle of 'Learning Unlimited' is empowered with the adoption of technology.

As we have seen in the recent past, technology in education is not just an enabler, but a necessary medium, and the crisis in the Education sector during the pandemic helped us all understand the importance of virtual learning. Fortunately at REVA, we had adopted a digital-first approach towards educating our students, and our preparedness helped us smoothly transition towards online learning.

The pandemic was also a reminder that Blended Learning is the way forward and is the biggest enabler of seamless learning. Our core vision remains to change the way students learn from traditional learning methodologies and we are happy to adapt and adopt technological changes.

The ecosystem at REVA University is not only tech-centered but is developed in such a way that it contributes to the overall development of a student. Our exclusive executive programme RACE (REVA Academy for Corporate Excellence) has been ranked 2nd in India for MBA in Business Analytics, REVA NEST- the Start-Up Incubator, are all designed to make our students ready for the corporate world.

In a step ahead, our UIIC (University-Industry Interaction Centre) programme allows students to interact and learn from the industry leaders. The UIIC is an exclusive programme of the University and a key enabler in bridging the gap between academic life and the corporate world.

Going forward, we aim to make all the disciplines at par with our exclusive programmes, and REVA aspires to be a coveted multi-disciplinary institution.

True leaders and game-changers are made when a University takes it on its shoulders to mould personalities and gives life to the ideas of its students. With the dedicated efforts of our eminent faculty members, I am certain REVA University students will be guided and mentored in such a way that they will be the game-changers of tomorrow.

**Dr. P. Shyama Raju**  
Chancellor, REVA University

# SCHOOL OF COMPUTER SCIENCE AND ENGINEERING

The school has a rich blend of experienced and energetic faculty who are well-qualified in various aspects of electronics, computing, and information technology. The school possesses numerous state-of-the-art digital classrooms and laboratories having contemporary computing facilities including Cloud-Based Systems, Big data Analytics, AI, IoT, Blockchain, etc... The School offers B.Tech in Computer Science and Engineering, B. Tech. in Artificial Intelligence and Data Science and M.Tech in Computer Science and Engineering (Full Time), M.Tech in Computer Science and Engineering (Part Time). Also, the school has a research center in which a student can conduct cutting-edge research leading to a Ph. D. degree. The faculties pursue research in areas like Data Mining, Healthcare Systems, Wireless Networks, Wireless Computing, Cloud Computing, Image Processing, Software Architecture, IoT and Machine Learning Applications.

Curricula of both undergraduate and postgraduate programmes have been designed through a collaboration of alumni, academic, research, and industry experts to bridge the gap between industry and academia as well as to inculcate innovation and leadership qualities. This makes the programme highly practical and industry-oriented. The B. Tech. programme aims to create quality human resources to play leading roles in the contemporary, competitive industry, and corporate world. The Master's degrees focus on quality research and design in the core and application areas of computing to foster a sustainable world and to enhance the global quality of life by adopting enhanced design techniques and applications. This thought is reflected in the various courses offered in the masters' programmes. Research degree programmes are aimed at the design and development of solutions to contemporary problems in computer and engineering technologies oriented towards human development.



## ADVISORY BOARD

- **Dr. Bhanu Prasad**  
Professor, Department of Computer and Information Sciences, Florida A & M University (FAMU) , USA
- **Dr. Rajkumar Buyya**  
Director, Cloud Computing and Distributed Systems Laboratory, Department of Computing and Information Systems, University of Melbourne, Australia.
- **Dr. Heggere S. Ranganath**  
Professor and Chair, Computer Science Department, University of Alabama in Huntsville, Huntsville, AL 35899, USA.
- **Dr. S. S. Iyengar**  
Professor, Louisiana State University (LSU), USA.
- **Dr. Manjunath Joshi**  
Professor, Dhirubhai Ambani Institute of Information and Communication Technology, Gandhinagar, India
- **Dr. L. M. Patnaik**  
Adjunct Professor and INSA Senior Scientist  
Consciousness Studies Program, National Institute of Advanced Studies, IISc Campus. Bengaluru, India
- **Mr. P. B. Kotur**  
Head - Global Freshers Engagement Program, Wipro Limited, Bengaluru, India
- **Dr. Vivek Venkobarao**  
Continental Corporation Limited, Bengaluru, India

## CORPORATE ADVISORY BOARD

- **Mr. Suresh Kumar R,**  
CTO CCS India & Digital Incubators at GE-Healthcare Bengaluru, Karnataka, India.
- **Mr. Abhas Abhinav,**  
Entrepreneur specializing in Free Software and Liberated Hardware, Bengaluru, Karnataka, India.
- **Mr. Manjunath D S,**  
Senior Micro Architect, IntelTechnologies India Pvt. Ltd., Bengaluru, Karnataka, India.
- **Mr. T Sabapathy,**  
Nominations Committee Member, CSI, Bengaluru, Karnataka, India.
- **Mr. PrabhugoudaBiradar,**  
VP-Engineering, Huawei Technologies India Pvt. Ltd., Bengaluru, Karnataka, India.
- **Mr. Kiran N,**  
Leader Strategic Enterprise Architecture, Boeing, Bangalore Urban, Karnataka, India.

# CLUBS

Sl. No.	Club Name
1	FACE Student forum
2	ACM student chapter
3	CSI student chapter
4	ISSA student Chapter
5	Mobile App Development
6	GLUG (LINUX) or FOSS club
7	Cyber physical Systems (CPS) and IOE Club
8	Cognitive Computing
9	Web Technology
10	Computer Networks
11	Computational Intelligence
12	Data Science and Cloud Computing

Sl. No.	Club Name
13	Robotics and Automation
14	Hackathon Club
15	Animation and VR
16	Designers (Ideation and Project)
17	Developer Student Club Powered by Google Developers
18	Philatelic (Stamps, Coins Collection)
19	Software Testing
20	Microsoft Developers
21	Game Developers
22	Database Developers
23	AIKYA Leadership Forum

## International Collaborations

1. University of Central Oklahoma
2. Aston University, Birmingham, UK
3. Florida University
4. Ulster University
5. University of Alabama

## Programmes offered by School

1. B. Tech in Computer Science & Engineering
2. B. Tech in Artificial Intelligence and Data Science
3. M.Tech in Computer Science and Engineering (Full Time)
4. M.Tech in Computer Science and Engineering (Part Time)
5. Ph. D. in Computer Science & Engineering

## Eligibility Criteria

### B. Tech. (Regular) :

- Pass in PUC / 10+2 examination with Physics and Mathematics as compulsory subjects along with one of the Chemistry / Biotechnology / Biology / Computer Science / Electronics / Technical Vocational subjects and obtained at least 45% marks (40% in case of candidate belonging to SC/ST category) in the above subjects taken together, of any Board recognised by the respective State Governments / Central Government / Union Territories or any other qualification recognised as equivalent there to.
- Good score in REVA University Common Entrance Test (REVA CET ) or CET / COMED-K / Uni-GAUGE or any other equivalent examination conducted by recognised Institute / Agency. (for lateral entry and for more details log on to University website [www.reva.edu.in](http://www.reva.edu.in))
- Course Duration: 8 Semesters (4 Years)

# Key Features

Programmes Offered	
B.Tech in Computer Science and Engineering	<ul style="list-style-type: none"> <li>• Aim of this programme is to equip students with latest technical skills to cope up with the trends and the needs of the IT industry.</li> <li>• Curriculum is designed to cater to the requirements of industry and research activities.</li> <li>• Focus on project based learning</li> <li>• Prepare highly skilled professionals that are industry ready and can adapt, sustain and contribute to the increasing demands of IT industry.</li> <li>• Empower students using project based learning approach</li> </ul>
M.Tech in Computer Science and Engineering (Part time and Full Time)	<ul style="list-style-type: none"> <li>• Empower advanced knowledge and skills in the field of Computer Science and Engineering</li> <li>• Provide required analytical skills and tools for solving problems</li> <li>• Empower necessary skills to effectively communicate, work as a team for as successful professional career</li> <li>• Provide excellent teaching and research ambience.</li> </ul>
Ph. D. in Computer Science and Engineering	<ul style="list-style-type: none"> <li>• Provides an opportunity for students to pursue a programme of research in a specialised area of computer science to develop a dissertation that embodies the results of original research and gives evidence.</li> <li>• Provide students with the advanced course and research opportunities they need to contribute at the forefront of the world's fastest-growing IT Industry and other sectors.</li> <li>• Provide knowledge in core areas like artificial intelligence, data science, programming languages, and Internet of Thing.</li> <li>• Gain significant expertise in conducting and presenting the results of Computer science research</li> </ul>



## New Programmes-

### B. Tech in Artificial Intelligence and Data Science

- Aim of this programme is to equip students with programming and statistical skills, mathematical reasoning, machine learning, knowledge discovery, and visualisation skills
- Strengthen students with the latest skills to perform intelligent data analysis which is a key component in real world applications for placement.
- Provide the knowledge of core technologies such as data warehousing, data mining and data modelling that gives intensive inputs in areas of machine learning and big data analytics.
- Provide the ever-changing demands of the industry. Data Analysis experts are among the most sought-after skilled professionals in Information Technology sector.
- Deliver the course using project based learning approach



#### LIBRARY AND INFORMATION CENTRE

Browse through lakhs of books, e-books, research publications, educational journals and magazines



#### OPEN AIR THEATRE

Always bring a variety of Cultural programmes by different groups of students



#### STUDENT CLUBS

Literary Club, Science Clubs, Sports Club, Robotics Centre, Eco Club, Quiz Club, Dance and Drama Club



#### NCC, NSS & VOLUNTARY WORK

Regular social activities like medical camps, blood donation camps in rural areas held to work towards the overall benefit of the society



#### HOSTELS

4,000-bed capacity hostel that's well-ventilated, hygienic and serves fresh cooked meals



#### ONLINE LEARNING/ DIGITAL CLASSROOMS

Well-equipped class rooms with modern gadgets like projectors, tabs



#### GREEN CAMPUS WITH OPEN AIR AMPHITHEATRE

A lush green area that allows students to study, socialise and enjoy nature



#### GUEST HOUSE

Residential facility for the benefit of parents and visitors travelling from outstation



#### FOOD COURT

International food chains have stalls at the Food Court that serve Pan Asian, Asian, North Indian, South Indian, among many other cuisines



#### BRAND STORE

Variety of international brand merchandise, apparels, gift articles, and a wide range of stationery available on the campus



#### AUDITORIUM AND SEMINAR HALLS

Large auditorium with 1000-seater capacity, along with adequate number of seminar halls to facilitate co-curricular activities



#### TRANSPORTATION

Routes through all parts of Bengaluru city



#### SPORTS

Special focus on Sports. More than 9 teams representing REVA University at state, national and international tournaments



#### GAZEBOS

An open area for students of certain courses to learn, practice and excel amid open classrooms



# PROGRAMMES @ REVA



- B. Tech. - Computer Science & Engineering
- B.Tech. - Artificial Intelligence & Data Science
- M.Tech. - Computer Science & Engineering (Full Time)
- M.Tech. - Computer Science & Engineering (Part Time)
- B.Tech. - Computer Science & Information Technology
- B. Tech Computer Science & Systems Engineering
- B.Tech. - Information Science & Engineering
- B. Tech. - Computer Science & Engineering (Artificial Intelligence & Machine Learning)
- M.Tech. - Cyber Security
- M.Tech. - Artificial Intelligence
- B.Tech. - Electronics & Communication Engineering
- B.Tech. - Electronics & Computer Engineering
- B.Tech. - Robotics & Automation
- M.Tech. - VLSI & Embedded Systems (Full Time)
- M.Tech. - VLSI & Embedded Systems (Part Time)
- B.Tech. - Civil Engineering
- M.Tech. - Computer Aided Structural Engineering
- M.Tech. - Transportation Engineering & Management
- M.Tech. - Construction Technology & Management
- B.Tech. - Mechanical Engineering
- B.Tech. - Mechatronics Engineering
- M.Tech. - Machine Design
- B.Tech. - Electrical & Electronics Engineering
- B.Tech. - Electrical & Computer Engineering
- M.Tech. - Power & Energy Systems
- B. Tech Bioelectronics Engineering
- M Tech DCN
- B.Sc. - Interior Design
- B. Arch
- M. Arch
- BA LL B (Hons)
- BBA LL B (Hons.)
- LL M (Business & Corporate law)
- LL M (Criminal law)
- B.Com (Industry Integrated)
- B.Com - Hons (Accounting & Taxation)
- B.Com - Hons (Accounting & Statistics)
- B.Com - Hons (Banking & Finance)
- B.Com - Hons (Economics & Finance)
- M.Com
- BBA (Industry Integrated)
- BBA - Hons (Enterprenuership)
- BBA - Hons (Talent Management)
- BBA - Hons (Marketing)
- BBA - Hons (Banking & Finance)
- BBA - Hons (Innovation & Enterprenuership)
- BBA - Hons (Business Analytics)
- BBA - Hons (Strategy & Leadership)
- BBA - Hons (Health Care Management)
- MBA
- BCA
- B.Sc. Honors (CC & Big Data)
- B.Sc. (Multimedia & Animation)
- B.Sc. (Cyber Security)
- MCA
- M.Sc. - Data Science
- B.Sc. - Biotechnology, Biochemistry & Genetics
- B.Sc. - Bioinformatics - Biology, Mathematics & Computer Science
- B.Sc. - Microbiology, Chemistry & Genetics
- B.Sc. - Mathematics, Statistics & Computer Science
- B.Sc. - Physics, Chemistry & Mathematics
- B.Sc. - Physics, Mathematics & Computer Science
- M.Sc. - Biotechnology
- M.Sc. - Chemistry
- M.Sc. - Mathematics
- M.Sc. - Physics
- M.Sc. - Microbial Technology
- M.Sc. - Bioinformatics
- B.Sc. - Medical Laboratory Technology
- B.Sc. - Medical Radiology & Diagnostic Imaging
- B.Sc. - Nutrition & Dietetics
- B.Sc.- Sports Science
- BPT
- M.Sc. - Biochemistry
- BA - Journalism, English & Psychology
- BA - Political Science, Economics & Journalism
- BA - Journalism & Mass Communication
- MA - English
- MA - Journalism & Communication
- M.Sc. - Psychology
- Certificate - Bharatnatyam
- Certificate - Kuchipudi
- Certificate - Kathak
- Certificate - Mohiniyatam
- Certificate - Odissi
- Diploma - Bharatnatyam
- Diploma - Kuchipudi
- Diploma - Kathak
- Diploma - Mohiniyattam
- Diploma - Odissi
- Diploma - Hindustani Vocals
- Diploma - Carnatic Vocals
- Diploma - Indology
- BA - Performing Arts, English & Psychology
- MPA - Bharatanatyam
- MPA - Kuchipudi
- MPA - Kathak
- MPA - Mohiniyattam
- MPA - Odissi

## About REVA Alumni

REVA University has a strong alumni network which consists of more than 35000 alumni which is a part of our global alumni community. REVA University encourages the alumni to stay connected through various activities, technical talks, opportunity to establish their ventures etc and provides overall support and benefits for life. That may be through providing alumni with career support, helping them to reconnect with old friends, access to a wide network of fellow alumni and a range of exciting events.





**REVA**  
UNIVERSITY

Bengaluru, India

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 /REVAUniversity

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