REVA
UNIVERSITY
Bengaluru, India

LEARNING
UNLIMITED...

2024

COMPUTING &
INFORMATION
TECHNOLOGY

#REVAlutionary 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.

REVA University is a State Private University established in Karnataka State under the Government of Karnataka Act No. 13 in the year 2013 in Bengaluru, the IT capital of India. REVA University is recognised by the University Grants Commission (UGC) and is approved by the AICTE (All India Council for Technical Education) and is accredited by NAAC. As per the QS Asian University Rankings 2023, REVA is ranked 6th among State Private Universities in Karnataka and 47th in India.

REVA University prides itself in contributing to every student's holistic development. The University currently offers 39 full-time Under Graduate Programmes, 32 full-time Post Graduate programmes, 18 PhD programmes, and certification and diploma programmes. The University offers programmes under the faculty of Engineering, Architecture, Science and Technology, Commerce, Management Studies, Law, Arts & Humanities, and Performing Arts & Indic Studies. 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 an emphasis on knowledge assimilation, practical applications, hands-on training, global and industrial relevance, and their social significance.

The University is spread over 45 acres of land and has a sprawling green campus. In less than a decade, REVA University, Bengaluru, has established itself as a leader in the field of education by earning recognition as a forward-thinking institution across all disciplines. With state-of-the-art infrastructure, the University has created a vibrant academic environment conducive to higher learning and research. This includes 200 smart classrooms that support blended learning, real-industry-like labs that foster on-the-job learning in students, a tech-enabled library with over 1 lakh collection of books, and most importantly, modern pedagogy. In addition to this, the physical infrastructure includes outdoor classrooms, sports grounds, a professional gym, open study parks for peer learning, and a food court that has been countered by popular food chains. REVA currently has numerous students on campus that come from all around the country. The campus has exclusive Halls of Residence which provides comfortable accommodation for boys and girls, apart from catering to the needs of all cuisine and ensuring adequate amenities are provided to make their stay an extended home.

The programs offered by REVA University are well planned and defined after a detailed study of the industrial need, social relevance, and global job markets. Highly qualified and experienced faculty and scholars from reputed universities / institutions, and experts from industries and business sectors have contributed to preparing schemes of instruction and curricula for these programs. The Choice-Based Credit System and Continuous Assessment Grading Pattern (CBCS – CAGP) of education are in place in all the programmes to facilitate students to opt for the subjects of their choice in addition to the core subject of study. The system also allows moving forward under the fast track for those who have the capabilities to surpass others.

REVA University has initiated many supportive measures such as bridge courses, special coaching, remedial classes, etc., for slow learners to give them needed input and build in them confidence and courage to move forward and accomplish success in their careers. The Training & Placement Cell sets specific goals so that the students are equipped and become the preferred choice for major companies and industries.

REVA University has a Career Development Centre that assists students in choosing the right career path through interest mapping and training for experts and imbibing skills so that they are well-equipped during the transition from campus to corporate. With the aim of creating mutual value in the educational ecosystem, REVA has a University Industry Interaction Centre (UIIC) that acts as the strategic centre to promote collaboration among academicians, scientists, and industrialists, thereby broadening the scope of innovation and entrepreneurship ecosystem.

REVA also has added a social dimension to its corporate initiatives. REVA has now moved on to become a Social Impact University and has aligned with the United Nations Sustainable Development Goals by developing projects like Jagruti, Abhivriddhi, Vanamahotsava, Education on Wheels, Panchavaktram, Abhivyakti, Nyaya Darshana, Samavesha, Pragna among others. Through these projects, REVA makes sure that they are making a difference in the social and economic well-being of the communities through teaching, research, social activities and other programmes.

Since its inception, REVA continues to strive to be the top education destination in India, offering the country's most advanced and futuristic education. With the current trends in mind, REVA moulds students to work in a post-pandemic world and adjust to the new ways of work culture.

Building
DREAMS
Designing Future

FROM THE
CHANCELLOR'S
DESK

Dear Game Changers,

Welcome to REVA University!

Let me 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. At REVA, we believe in giving our students a supportive and nurturing environment that cherishes innovation, creativity, independent thought, diversity and multiculturalism. We are driven by the philosophy that "Knowledge is Power" and we are striving to build a community of perpetual learners who can achieve everything they aspire to. 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 a Social Impact University, our aim is to create socially responsible global citizens who can lead businesses, transform society and the country in the future.

As you all know, REVA University has in alignment with the NEP 2020 built the road map of the University; focusing on four SDGs of prime importance: SDG IV, SDG V, SDG XI, and SDG XVII in keeping with this aspiration of the Hon'ble Prime Minister, Shri Narendra Modiji. The SDGs work together to create holistic sustainable development, which is essential for higher educational institutions. As a pioneer in Higher Education and with the potential and capability to bring about change, we have aligned with these SDGs and hope to spread the message to a larger group of people.

As part of our contribution towards SDGs, we have conducted a series of events like Jagruti & Abhivriddhi towards the adoption of villages and their development; Abhivyakti towards support to K 12 education; Vanamahotsava, towards sustaining the climate; Pragna towards civic responsibility; Nyaya Darshana towards empowering women lawyers; Samaavesha towards inclusivity of transgender and Panchavaktram towards spreading the Indian Knowledge System through the rich Indian dance and heritage.

The ecosystem at REVA University is not only tech-centred but it is also 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, is all designed to make our students ready for the corporate world.

I want our students to enter the world with vibrant creative energy and innovative ideas thereby advancing the frontiers of knowledge and research. As a Social Impact University, REVA is committed to this mission and looks forward to working together and providing a positive paradigm in the higher education field.

As a step ahead, our UIIC (University-Industry Interaction Centre) programme allows students to interact and learn from 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.

REVA has now moved on to become a Social Impact University by aligning with the SDGs. I hope that through the events conducted in accordance with these goals, we develop a social connection with leadership qualities, ethical and moral values, research culture, and innovative skills through higher education of global standards.

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. As the Chancellor of the University, I want to ensure that all the REVAites have equal opportunity to explore and learn in such a way that it transforms both the individual lives and the future of our society, nation, and beyond. 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

MESSAGE
FROM THE
PRO CHANCELLOR

Dear REVAites,

Welcome to REVA University!

Yet another year has gone by as we overcome the pandemic rage. We, as an educating community, have faced several challenges during these times. Despite this, as REVA University we have accomplished many milestones this year. In fact, I consider the pandemic a positive challenge as it allowed us to discover our strengths and refocus on our IT infrastructure.

As you all are aware, the foundation stones of REVA University are laid on the essence of academic pursuit and excellence. Excellence in any work can be achieved with utmost dedication, hard work, and perseverance. We, at REVA, have made this dictum our motto and our way of life in every single activity on campus.

Following the pandemic, higher education has undergone a considerable approach change and extraordinary expansion. By utilising the most recent technologies, REVA has also prepared to tackle the challenges by adapting to the demands of the worldwide community.

I want every REVAite to adapt to the learning culture that promotes your individual holistic development. As the torchbearers of higher education, we are dedicated to offering a platform that is inclusive, global, and responsible that improves student learning and enriches the experience.

I wish all REVAites a learning experience on par with international standards and the development of core competencies through the integration of information based on core values and ethics.

Umesh S Raju
Pro Chancellor
REVA University

MESSAGE FROM THE DIRECTOR, ADMISSIONS

The globally changing paradigms have compelled academic institutions to foster a new breed of professionals – individuals equipped with adequate knowledge, subject–expertise, design thinking, technical skills creativity and innovation. REVA University is well rooted in the noble tradition of our core values and is phenomenally one of the most preferred destinations for higher education.

The University has consciously created a culture that values collegiality and accessibility, at all levels. REVA believes in providing technology-enabled quality education, with a high academic standard. We consider quality teaching and research, student transformation, and social impact, as the priority areas towards our commitment to nurturing talents, leaders and entrepreneurs for advancing the global economy.

With the dedicated efforts of our accomplished faculty, talented students and bright alumni, REVA believes to make significant progress on its path of continuous growth and innovation. To align with global needs and standards, the academic curriculum is exclusively designed with a flexible choice-based credit system and implements the Outcome Based Education System.

The University offers a conducive environment for holistic education for students across the globe. Meticulous care and methodical planning are inculcated for students' support and progression at the campus and also at the Halls of Residence (REVA Hostel). The campus life for hostel residents gives them a real fun-filled learning experience, 24X7. The University is proactive in the sports and arts activities of its students. With ample work-and-play spaces and developed facilities, the students have access to hygiene and well-maintained sports and recreational facilities. The University provides exposure and opportunities to students to exhibit talents beyond education in fields not limited to media, theatre art and culture but also grooms them to work in cross-culture environments.

On the bedrock of our core values, REVA will continue to scale higher over the next decade to build a teaching and research University of international repute. We are confident that you will find REVA exciting, enriching and a strong powerful enabler to pursue your career goals. Invite you to experience REVA!

Once again from the entire REVA family, Welcome.

Dr. Niraj Singh
Director, Admissions
admissions@reva.edu.in

SCHOOL OF COMPUTING & INFORMATION TECHNOLOGY

The School has a rich blend of experienced and committed faculty who are well-qualified in various aspects of computing and information technology apart from the numerous state-of-the-art digital classrooms and laboratories having modern computing equipment. The School offers four full-time undergraduate programmes, B Tech in Computer Science and Engineering (Artificial Intelligence and Machine Learning), B Tech in Computer Science and Information Technology, B Tech in Computer Science and Systems Engineering, B Tech in Information Science and Engineering and the following two postgraduate programmes: M Tech in Artificial Intelligence and M Tech in Cyber security. In addition, the school has a research center in which students can conduct cutting edge research leading to a PhD degree.
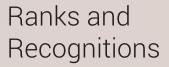
Curriculum of both undergraduate and postgraduate programmes have been designed through a collaboration of academic and industry experts in order to bridge the growing gap between industry and academia. This makes the programme highly practical-oriented, and thus industry-resilient. The B Tech programmes aim is to create quality human resources to play leading roles in the contemporary, competitive industrial and corporate world. The masters' degrees focus on quality research and design in the core and application areas of Artificial Intelligence and Information Technology 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.
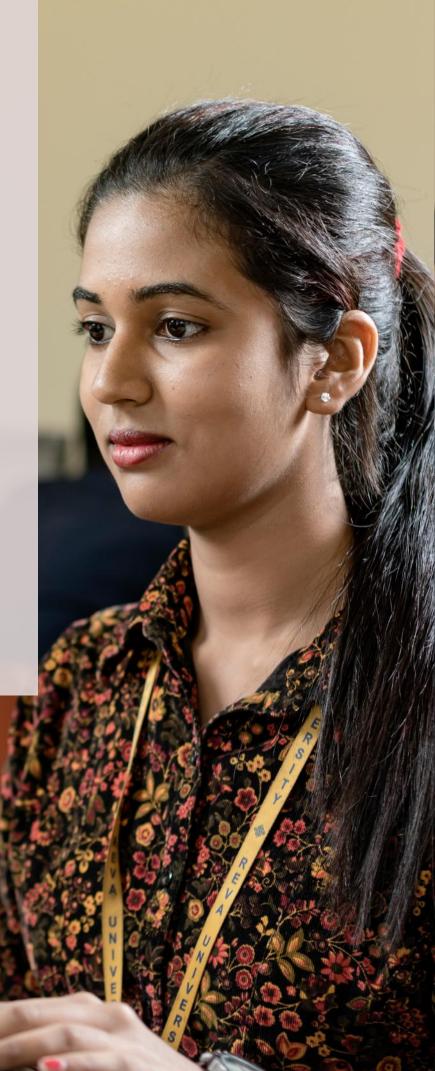
ADVISORY BOARD

- Dr. Heggere S Ranganath, Professor and Chair, Computer Science Department , University of Alabama in Huntsville , Huntsville, AL 35899, USA
- Mrityunjay Hiremath, Director, AMD Inc. USA, Bengaluru
- Dr. K. Gopinath, Professor, Dept. of Computer Science and Automation, IISc., Bengaluru
- Dr. S. S. Iyengar, Professor, Louisiana State University (LSU) , USA.
- Mr. Himesh Misra, Program Director, Texas A&M University, College Station, USA, Bengaluru-560017
- Prof. Rajkumar Buyya, Director, Cloud Computing and Distributed Systems Laboratory, Department of Computing and Information Systems, University of Melbourne, Australia
- Mr. Pramodh Kattimani, Program Manager, TCS, Bangalore
- Mr. Mahesh Koppa, Scientist 'F', LRDE, DRDO, Bangalor
- Mr. Chandrashekar Kshatriya, Associate Director, Cognizant, Bangalore
- Mr. Puneeth G N , Big data Engineer, INFORMATICA, Bangalore
- Mr.Krishna Mouli R, Program Manager, Boston IT solution Pvt Ltd, Bangalore

Ranks and Recognitions

- In Times Engineering Survey 2020, REVA University bagged

  - 18th amongst the Top 150 Engineering Colleges and Universities
  - 10th amongst the Private Engineering Colleges and Universities
  - 8th amongst South Region
  - 22nd in Placements in South Region, State Level

- Ranked 29th Best Technical School - Countrywide (Engineering) and Ranked 20th position among Private Universities by Dataquest Survey 2020

- Ranked 43rd positon among Top 50 Private Engineering Institutes in India by Jagran Josh Engineering Survey
- REVA in 201-250 Engineering Rank Band – NIRF Survey 2020

- In Business World Engineering Survey 2020 – REVA bagged 96th position in the Country and 23rd position in the South Region

Programmes Offered by the school:

The School of CIT offers:

- B. Tech in Computer Science & Information Technology
- B. Tech Computer Science and Engineering (Artificial Intelligence and Machine Learning)
- B. Tech in Computer Science and Systems Engineering
- B. Tech in Information Science and Engineering
- M. Tech in Artificial Intelligence
- M. Tech in Cyber Security
- 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 recognized as equivalent thereto.

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

Course Duration: 8 Semesters (4 Years)

Key Features

- Highly qualified and experienced faculty members
- State-of-the-art computing facility
- Industry-enriched curriculum
- Project-based learning (interdisciplinary in nature)
- Student-Industry connect programs for career support
- Student-Alumni connect programs for mentorship and guidance
- Tie-up with top industries
- Value-added, global certification programs for skill development
- Paid internships by industries
- Student clubs for peer-to-peer learning
- Personalised mentoring system
- Smart classrooms and well-equipped labs

Life at **REVA**

LIBRARY AND INFORMATION CENTRE
Browse through lakhs of books, e-books, research publications, educational journals and magazines

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

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

GREEN CAMPUS WITH OPEN AIR AMPHITHEATRE
A lush green area that allows students to study, socialise and enjoy nature

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

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

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

OPEN AIR THEATRE
Always bring a variety of Cultural programmes by different groups of students

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

ONLINE LEARNING/ DIGITAL CLASSROOMS
Well-equipped classrooms with modern gadgets like projectors, tabs

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

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

TRANSPORTATION
Routes through all parts of Bengaluru city

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

NOTABLE FACILITIES

Abroad internship/study opportunities for students
Global certification programs on cutting edge technologies for high packages.
100 percent placement opportunities for students
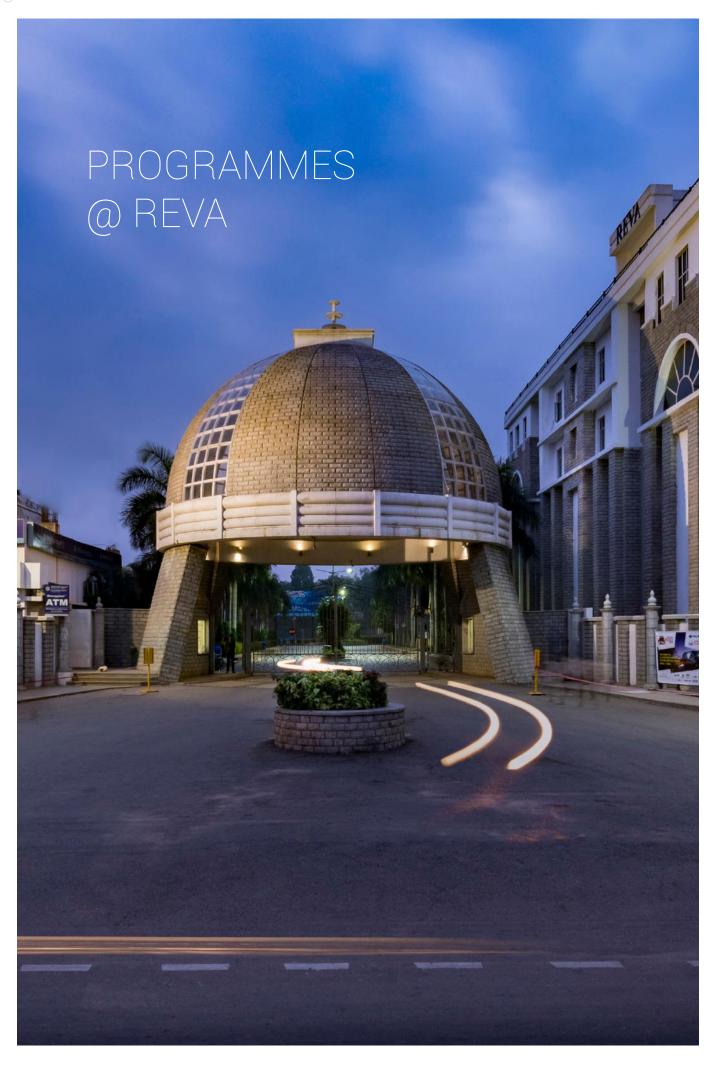Opportunities to work on research projects of ISRO/DRDO/DST/CSIR/VGST.
Incubation unit to nurture ideas/projects to startups.
Support for students startups in terms of industry mentorship and networking.
Seed money support for students projects
Support for students to obtain copyright/patent of invention.
Finance support for startups to improve their business.

PROGRAMMES
@ REVA

- B.Tech. - Computer Science & Information Technology
- B.Tech. - Computer Science & Systems Engineering
- B.Tech. - Computer Science & Engineering (AI & ML)
- B.Tech. - Information Science & Engineering
- M.Tech Artificial Intelligence
- M.Tech (Cyber Security)
- B.Tech. - Computer Science & Engineering
- M.Tech. - Computer Science & Engineering (Full Time)
- M.Tech. - Computer Science & Engineering (Part Time)
- B.Tech. - Electronics & Communication Engineering
- B.Tech. - Electronics & Computer Engineering
- 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.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) Banking & Finance
- B.Com - (Hons) Accounting & Statistics
- B.Com - (Hons) Economics & Finance
- M.Com
- BBA - Industry Integrated
- BBA - Entrepreneurship
- BBA - (Hons) Talent Management
- BBA - (Hons) Marketing
- BBA - (Hons) Banking & Finance
- BBA - (Hons) Innovation & Entrepreneurship
- BBA - (Hons) Business Analytics
- BBA - (Hons) Strategy & Leadership
- BBA - (Hons) Health Care Management
- MBA
- BCA
- B.Sc. - (Hons) Cloud Computing & Big Data
- B.Sc. - Multimedia & Animation
- B.Sc. - Cybersecurity
- MCA
- M.Sc. - Data Science
- B.Sc. - Biotechnology, Biochemistry & Genetics
- B.Sc. − Bioinformatics (Bio, Maths & CS)
- 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. - Biochemistry
- M.Sc. - Chemistry
- M.Sc. - Mathematics
- M.Sc. - Physics
- M.Sc. - Microbial Technology
- M.Sc. - Bioinformatics
- Diploma in Medical Laboratory Technology
- B.Sc. - Medical Laboratory Technology
- B.Sc. - Medical Radiology & Diagnostic Imaging
- B.Sc. - Nutrition & Dietetics
- BA - Journalism, English & Psychology
- BA - Political Science, Economics & Journalism
- BA - Tourism, History & Journalism
- BA - Journalism & Mass Communication
- BA - (Hons) English
- MA - English
- MA - Journalism & Communication
- M.Sc. - Psychology
- Certificate - Performing Arts
- Diploma - Performing Arts
- BA - Performing Arts, English & Psychology
- MPA

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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email: admissions@reva.edu.in

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/REVAUniversity

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