



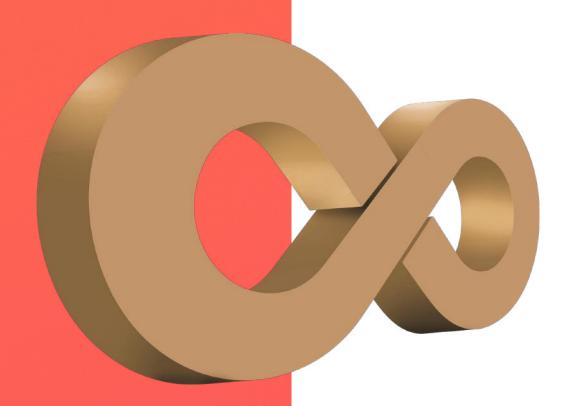




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LEARNING UNLIMITED...



2024

APPLIED SCIENCES-PG

#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.

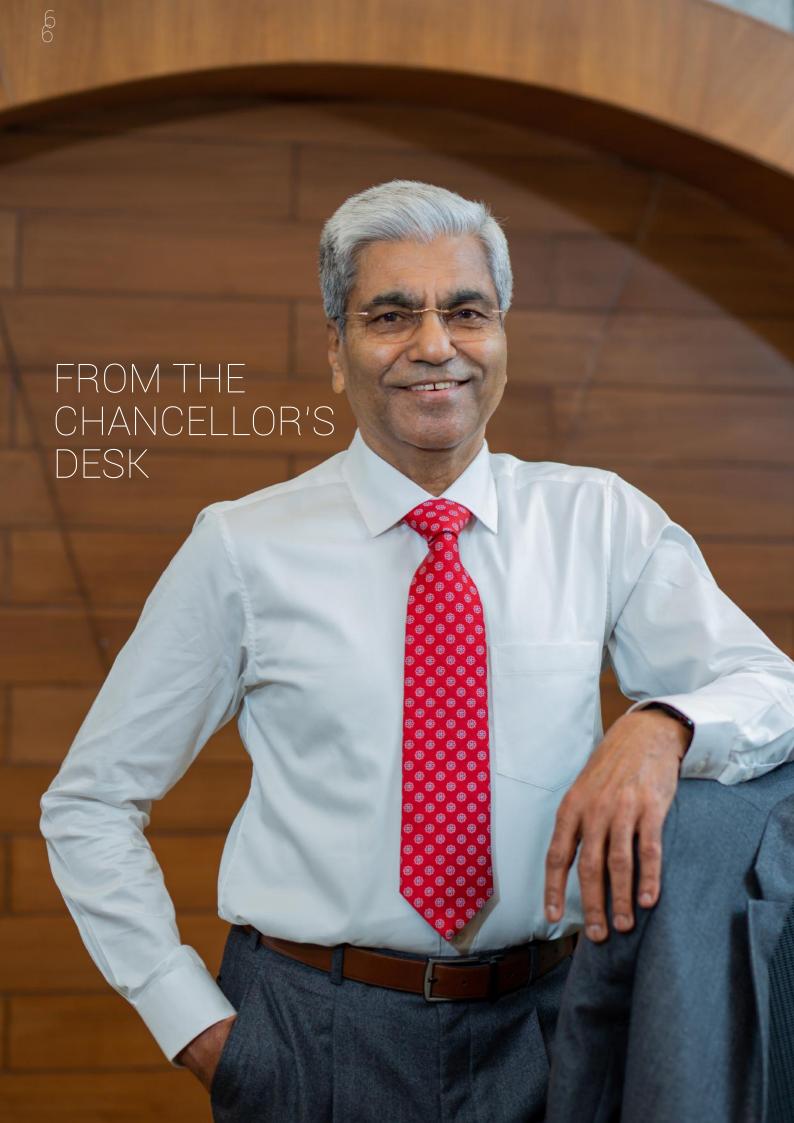
REVA University has initiated many supportive measures such as bridge courses, special coaching, remedial classes, etc., for slow learners to give them needed input and build in them confidence and courage to move forward and accomplish success in their careers. The Training & Placement Cell sets specific 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.





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.



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





The School of Applied Sciences is shouldered by well qualified, experienced and highly committed faculty. The state-of-the-art infrastructure digital classrooms, well equipped laboratories, conference rooms and the serene academic atmosphere at REVA University will enhance the transfer as well as creation of knowledge. The school provides an interactive, collaborative peer tutoring environment. The School has collaborated with reputed industries and research organization to provide skills sets required for student community. The school aims to develop a learning community of critical thinkers who serves as models of innovative problems solving in the university environment to enrich their academic and professional careers.

SCHOOL OF APPLIED SCIENCES IN A NUTSHELL

- 1. School of Applied Sciences offers well designed Industry oriented academic programmes in collaboration with reputed industries and research organizations.
- 2. Multidisciplinary programs with outcome based education as per NEP Policy
- 3. State of art infrastructure facility with digital class rooms, well equipped academic laboratories, Center of excellence facility
- 4. Dedicated faculty members with wide experience in academia, research and industry.
- 5. Organizes Conferences, Seminars, Webinars, Workshops and other academic activities by Industry Experts and Renowned Academicians.
- 6. Real time industry exposure.
- 7. Internship opportunities at reputed Industry and Research Organizations
- 8. Training for CSIR/GATE/Other competitive examinations.
- 9. Well-equipped Centre of Excellence facility in Molecular Biology, Animal Cell culture and Bioinformatics
- 10. Wide Range of Diploma programmes and short-term certificate programmes with industry collaborations.
- 11. Offers MOOC / Swayam / Coursera/Any other reputed Online Courses to enhance knowledge level of students.
- 12. Skill development programmes to enhance skill sets as per industry requirement.
- 13. Range of specialization and electives
- 14. Study abroad facility in collaboration with International Universities.
- 15. Entrepreneurship Development opportunities through establishment of incubation center under REVA NEST.
- 16. Project based learning to enhance research focus
- 17. Support for government funded student's projects
- 18. Established alumni network



DEPARTMENT OVERVIEW

Chemistry **Physics Mathematics** Biotechnology Department of Biotechnology department started with a UG, is equipped with 26 well PG and PhD program in the holders with specialization in experienced faculty members for who aims to impart high quality teaching and research. Provides education by inspiring students has 19 enthusiastic, excellent conducive environment to and highly qualified faculties. Theory, Operations Research, pursue research in various fields compete globally. of Life Science, Bioinformatics Genomics Toxicology, three specializations: Analytical challenges in the areas of Nanotechnology, Neurobiology, department is the publication Plant Biotechnology, Applied Photonics, condensed matter and Human Genetics etc., physics and advanced material students in top rated journals. Excellent academic and research well-equipped labs to offer ambience through Center of skill-based learning by practical The department has established a Excellence facility in Molecular department dedicated R & D center- Center of multi-disciplinary methods. Excellence in Advanced Materials Biology, Animal Cell Culture and has research infrastructure approach. and instrumentation facility by receiving Rs.2.8 crores of fund Bioinformatics. The Department from internal and external funding offers 3 UG and 3 PG Programs, agencies such as DST-SERB, Diploma and Certificate Programs VGST, UGC-DAE, etc. and PhD Programs. Research Batteries. activity is supported by funding Hydrogen agencies such as DST, DBT, VGST, KSCST, ICMR etc., Peptides, Material Chemistry, Organic Synthesis and Medicinal Chemistry. The research is supported by several extramural research funding (96Lacks) from various government agencies.

Collaborations: Industry/Academia/Research Organizations

- 1. CSIR-IIMT, Bhubaneshwar
- 2. CDRI, Lucknow
- 3. RL Fine chem, Bangalore
- 4. KSTA, Bangalore
- 5. Poornaprajna Institute of Scientific Research, Bangalore
- 6. Shriram Institute for Industrial Research, Bangalore
- 7. BioZeen Bangalore Biotech Labs Pvt. Ltd.,
- 8. Bangalore Bio-innovation Center, Bangalore
- 9. ICAR NIVEDI, Bangalore
- 10. Universiti of Malaysia, Sabah
- 11. Manipal Academy for Higher Education, Bangalore
- 12. Criyagen Agri Biotech Pvt. Ltd., Bangalore
- 13. Xcyton Diagnostics Pvt. Ltd., Bangalore
- 14. DR Bioscience Pvt. Ltd., Bangalore
- 15. Azyme Biosciences Pvt. Ltd., Bangalore



RESEARCH EXCELLENCE

Last 5 years	
Number of Guides	81
Number of PhD awarded	24
Number of Scholars pursuing research (ongoing)	243
No of Publications	584
No. of Patents filed/Published	23
Government research grants	290.00Lakhs

PROGRAMS OFFERED

- 1. M.Sc. Biotechnology
- 2. M.Sc. Bioinformatics
- 3. M.Sc. Microbial Technology
- 4. M.Sc. Physics
- 5. M.Sc. Mathematics
- 6. M.Sc. Chemistry
- 7. PG Diploma in Clinical Embryology and Assisted Reproductive Technology
- 8. PhD programs in Biotechnology, Biochemistry, Chemistry, Physics and Mathematics disciplines

PROGRAM HIGHLIGHTS

- Curriculum as per industry requirement
- Multidisciplinary Approach with competency based curriculum
- Research and Project based learning
- Internship Opportunities at academia and research
- Skill Enhancement courses
- Choice Based Elective Courses
- Extensive practical and field exercise

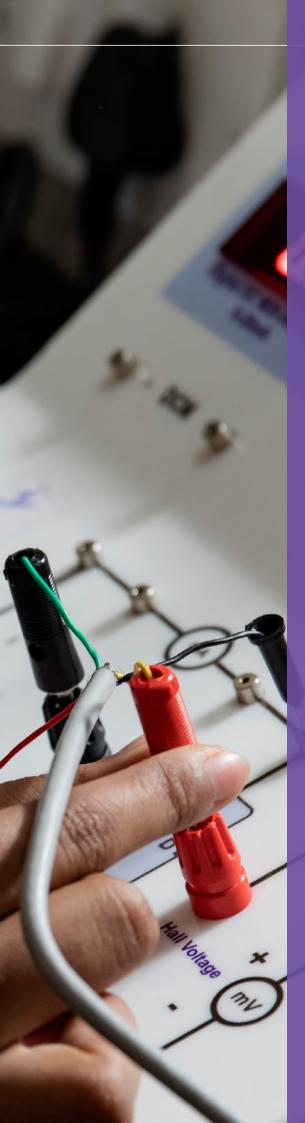
PROGRAMME FEATURE AND ELIGIBILITY CRITERIA

1. M.Sc. Biotechnology

- The Master's Program in Biotechnology is a postgraduate program focused on technological applications of biological organisms.
- Biotechnology program emphasizes hands-on learning through laboratories sessions, paid internships, skill development programs
- Internship opportunities at CSIR, ICAR Labs, Biocon, CFTRI, IIT-Hyderabad, MKU, SRM, Sunrise Biopharma, Criyagen, Avasthagen, ITC, NDRI, NIAB, CSIR-NBAIR, GKVK, CSIR-NIVEDI etc.,
- Students will have an opportunity to take up projects at School/ Department or at reputed industries or at state and central governments research organizations in the final semester.
- Curriculum designed for the program is industry oriented and students are given opportunities to choose courses from a range of electives.
- MOOC / Swayam / Coursera Online Courses, short term certification courses and workshops are offered to equip the students with skill sets required for industry and research.
- Student exchange programme in collaborations with Foreign Universities
- Research support for Publication, Patents and Government funded projects

Eligibility Criteria: B.Sc. graduates with any Life Science subject (Botany, Zoology, Microbiology, Biotechnology, Biochemistry), B.Sc. Agricultural Sciences., securing at least 70 % (40 % in the case of candidates belonging





to SC/ST) marks in aggregate of all optional subjects from any recognized University/Institute or any other qualification recognized as equivalent there to are eligible.

Career Prospects:

A wide range of career options exist for Graduates of this program in the following domains

- Clinical Research
- Healthcare and Diagnostic Services
- Bio process Industries
- Medical coding & Technical writing
- Quality Control & Quality Assurance
- Sales, Marketing and Regulatory Affairs (Intellectual Property Rights)
- Molecular Synthesis & Drug Designing
- Entrepreneur in the field of Tissue Culture, Mushroom Cultivation, Biofertilizers, Bio-fuel production etc
- R & D in Industries and Central Research Institutes
- Genome data analyst
- Genetic Counseling

2. M.Sc. Bioinformatics

Bioinformatics is a convergence of science and technology to fulfill new challenges in modern molecular biology and medical research. This interdisciplinary science and in-silico approach has helped to reshape the modern biological sciences. Bioinformatics has revolutionized the field of biological science and has emerged as a powerful technology to predict the biological outcomes before full-fledged research. Bioinformatics facilitates way for Personalized Medicine/Health Care, Microbial genome applications, Biotechnology applications, Environmental applications in this post genomic era

Unique Features of the Programme

- Interdisciplinary Science amalgamating Biology, Medicine, Mathematics, Statistics, Computer Science.
- Guidance from expert academicians and lead researchers in the field of Clinical Research, agriculture, microbiology and biostatistics.
- Projects based learning in collaborations with multiple industry partners such as Strand Genomics, Med Genome, Eurofins, ThermoFisher Scientific, Qiagen, etc.
- Internship opportunities at Eurofins, Avasthagen, Advanta, Strands etc.,
- Platform to explore the frontiers of bioscience from precision medicine to precision agriculture, and other emerging fields, including molecular ecosystems biology.
- Opportunity to analyses predominant omics data-types including next generation sequencing, mass spectrometry, emerging single molecule techniques, genome engineering, imaging, and integrative analysis toolsets.
- Strong foundation in statistical machine learning to shape career related to the field of information sciences
- Student exchange programme in collaborations with foreign Universities.
- Research support for Publication, Patents and Government funded projects

Core Modules

- Advanced Genomic Data Sciences
- R and Python Programming
- Biostatistical Analysis
- Big Data analytics
- Cloud based analytics in genomics
- Data Mining and Artificial Intelligence

- Webservers and Database development
- Artificial Intelligence and Deep Learning techniques
- Clinical Genomics
- Agri-genomics
- Nutrigenomics
- Al based tool Development

Eligibility Criteria: B.Sc. in any field of Life Sciences/ Agricultural Sciences/Bioinformatics/ Computer Science securing at least 70% marks (40 % in the case of candidates belonging to SC/ST) in aggregate of all optional subjects from any recognized University/ Institute or any other qualification recognized as equivalent there to are eligible.

Career Opportunities

With an emerging focus on biotechnology and the need for products to have a greater societal impact, this program will equip students with the knowledge, skills, experience, and personal attributes to successfully translate biotechnology ideas into new commercial ventures. Skills in these areas are highly sought after by employers due to the unique attribute's graduates will gain.

Job profiles include

- Genomic Data Scientist
- Data Analyst
- Bioinformatician
- Bioprogrammer
- Computational Biologist
- Software developer
- Bioinformatics Research Scientist
- Programmer for Database
- Pharmacogenomist
- Entrepreneurs

Bioinformatics Open Day (Every Month 4th Friday)

knowledge sharing and opportunities to build career prospect of stake holders. We invite students, research scholars, academicians and industry experts for interaction and collaboration with our expert faculty team.





3. M.Sc. Microbial Technology

The Masters' program in Microbial Technology is majorly focused on the applied aspects of microbiology in various specialized areas of science such as Biopharmaceutical, Healthcare, Agricultural, Environmental and Food Microbiology. Our unique program spans the entire spectrum of modern Microbiology research.

M.Sc. Microbial Technology is Industry Integrated Program with three different specializations like Industrial and Food Microbiology, Agricultural Microbiology and Medical and Diagnostic Microbiology. The curriculum is designed in collaboration with expert academicians and industry personnel from reputed organizations

Unique Features of the Programme

- Industry integrated program in collaboration with Criyagen Agri and Biotech Pvt Ltd, XCyton Diagnostics Limited, Azyme Biotechnology Pvt Ltd and DR Biosciences Pvt Ltd.
- A Unique program with three specializations to widen career opportunities at Biopharmaceutical, healthcare, Food, agricultural and environmental industries.
- Real time project-based learning at industries to shape career in the right path to tackle problems in competitive field of research or industry.
- Internship opportunities at CSIR, ICAR Labs, Biocon, CFTRI, IIT-Hyderabad, MKU, SRM, Sunrise Biopharma, Criyagen, Avasthagen, ITC, NDRI, NIAB, CSIR-NBAIR, GKVK, CSIR-NIVEDI etc.,
- Guidance from experienced and dedicated faculty members and industry experts.
- Student exchange programme in collaborations with foreign Universities
- Research support for Publication, Patents and Government funded projects

Eligibility Criteria:

B.Sc. graduates with any Life Science subject (Botany, Zoology, Microbiology, Biotechnology, Biochemistry), B.Sc. Agricultural Sciences., securing at least 70% (45% in the case of candidates belonging to SC/ST) marks in aggregate of all optional subjects from any recognized University/Institute or any other qualification recognized as equivalent are eligible.

Career Opportunities:

There are wide range of career options for students graduated in M.Sc. Microbial Technology Program in various domains of Life Sciences at industries, research organizations, state and central universities, agriculture universities, hospitals, diagnostic laboratories.

Job Profile includes

Microbiologist, Nutritionist, Project Assistant, Research Assistant, Research Analyst, Clinical Research Associates, Teaching Assistant, and Start-Ups.

4. M.Sc. Chemistry

- Master of Science in Chemistry is a career-oriented postgraduate course of 2 years.
- The course is specially curated for the students willing to gain a more powerful grip over the areas of understanding chemical bonding, reactions, properties, applications, and characterisation of substances.
- Three specializations Physical, Inorganic and Organic Chemistry with Industry oriented curriculum and Highly Qualified faculty members.
- State of the art inhouse Laboratories and R&D facilities, Students will be molded towards CSIR and GATE exams in addition to industrial training exposure added advantage.

Eligibility Criteria:

Three years' bachelor's degree in science with Chemistry as one of the major / optional subjects with 60% (40% in case of SC/ST) of marks in aggregate from any recognized University/Institution or any other qualification recognized as equivalent there to.

Career Opportunities:

Wide Job opportunities starting from pharmaceutical companies to health care, available for these graduates to explore. The major job profiles available are Teaching, R&D Scientist, Research Officer, Solid State Chemistry Expert, Analytical Specialist, QC, QA, and many more at pharmaceutical/Chemical companies in India and abroad. After completion of Masters, ample opportunities to pursue their Ph. D at National and International laboratories with handful of stay fund.

5. M.Sc. Physics

- M.Sc. in Physics at REVA University offers specialisation in Condensed matter Physics, Electronics and Photonics.
- The theory and practical courses offered in M.Sc. Physics provides an opportunity to gain in depth knowledge of the subject, enhance critical thinking and analytical skills.
- The project work /Internship included in the curriculum stimulates the scientific and research temperament in the students.
- Foundation courses, seminars, workshops and conference are part of the academics helps the holistic development of students and gives connectivity to the outside world.

Eligibility: Three years' bachelor's degree in science with Physics as one of the major / optional subjects with 60% (40% in case of SC/ST) of marks in aggregate from any recognised University/Institution or any other qualification recognised as equivalent there to.

Career Opportunities

Graduates completing M.Sc. in Physics will have ample opportunities in Government/ Public / Private sectors, research institutes and scientific organizations, universities, institution of higher learning and NGOs.

M.Sc. Physics graduates can go for teaching at Pre- University level and Higher Secondary School level.





6. M.Sc. Mathematics

- M.Sc in Mathematics at REVA University offers specialization in Operations research and Statistics with python programming.
- M.Sc. in Mathematics includes mini project in third semester itself for individual student along with the major project in the final semester to increase scientific and research temperament in students.
- Seminars, workshop and conferences are part of the academics, which helps students to understand the use of mathematics in current technology.

Eligibility Criteria:

Bachelors Degree of 3 years with Mathematics as one of the major/optional Subjects with 60%(40% in case of SC/ST) of marks in aggregate from any recognised University/ institution ot any other qualification recognised as required there to.

Career Opportunities:

After completion of post-graduation in Mathematics, one can become a promising teaching faculty in Mathematics qualifying NET/SLET. One can explore different research domain of individual interest after qualifying competitive exams like JRF Options are there to explore ventures as Data Scientists, ICT developer, Operational researcher, Statistician, banking professional and many more innovations.

7. PG Diploma in Clinical Embryology and Assisted Reproductive technology in association with MOMSOON Academy Pvt. Ltd.,

The successful birth of the world's first baby conceived by in vitro fertilization (IVF) and embryo transfer occurred on July 25, 1978, in the UK. Since then, over five million babies conceived by Assisted Reproductive Technologies (ART) have reportedly been born throughout the world.

The increasing demand for ART has resulted in mushrooming of infertility clinics in India. There is a huge dearth of skilled embryologists and the skills involved in embryology are complex, delicate, and require adequate hands-on practice. The knowhow of an expert embryologist is crucial for the success of IVF treatments and the proficiency of an embryologist contributes a great deal for the success of infertility treatment.

Thus the "PG Diploma in Clinical Embryology and Assisted Reproductive Technology (PGD-CEART)" by REVA University in collaboration with MOMSOON Academy is designed keeping in mind the subject specific academic needs and industry requirements, with the help of subject experts. At the end of the course, the students will be equipped to work competently in human IVF services by providing them with essential theoretical and practical knowledge in Human Embryology. To make this course more holistic, stress is also given to the existing guidelines, regulations and protocols that enable the candidates to perform embryology procedure ethically as well as accurately.

Career opportunities

With the increase in the incidence of infertility around the globe, there is a huge dearth of embryologists thus making it one of the highly sought-after career option for science and medical graduates and post graduates. Due to the high percentage of people who are experiencing infertility issues, it is expected that embryology is a field that is going to continue to see career growth in the future.

On successful completion of the course, candidates can seek employment as clinical embryologists with health care providers

such as IVF centers / fertility clinics / ART clinics / hospitals. They can also work as consultants with multiple organisations. Eligibility: Post Graduates in Biological Sciences / Life Sciences (M.Sc./M.Tech/ME); Graduates in Medical Sciences (MBBS), Dental Sciences (BDS), Ayurveda (BAMS), Homeopathy (BHMS) and Unani Medicine (BUMS)

8. PhD programs in Biotechnology, Biochemistry, Chemistry, Physics and Mathematics disciplines

PhD programs are offered as per REVA University regulations and UGC guide lines.

The REVA University has well experienced faculty members to guide candidates to pursue research leading to Doctoral degree in Biotechnology, Biochemistry, Chemistry, Physics and Mathematics disciplines. The School has established Centre of Excellence facility and engaged in advanced research and funded projects.

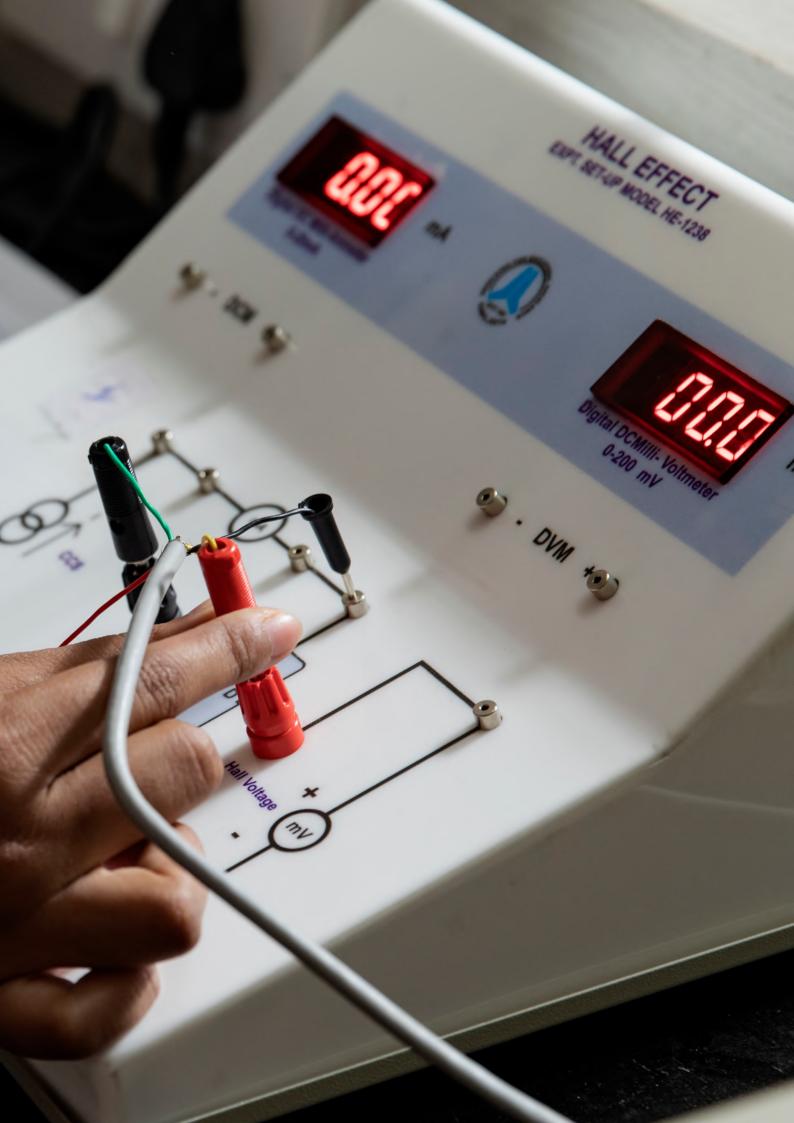
Eligibility Criteria: Candidate for admission to PhD program shall have Master degree or a professional degree declared equivalent to the Master's degree by the corresponding statutory regulatory body with at least 55% marks in aggregate or its equivalent grade 'B' in the UGC 7point scale or an equivalent degree from a foreign educational institution accredited by the approved assessment and accreditation agency. A relaxation of 5% of marks, from 55% to 50% or an equivalent relaxation of grades is allowed for those belonging to Sc/ST/OBC/different — abled and other categories of candidates.





STUDENT ACHIEVEMENT

Student Name and Program	Achievement
Manopriya (M.Sc. Physics – 2020)	Inspire Fellowship, Pradhanmantri fellowship, Pursuing PhD at IIT, Indore
Hardhik Medhi (M.Sc. Physics - 2022)	Silver Honor, International astronomy and astrophysics competition 2022
Shrenik (M.Sc. Chemistry 2021)	PhD - Scholarship at Polish Academy of Sciences, Poland
Megha Dash (M.Sc. Chemistry 2020)	Inspire Fellowship, Pursuing PhD at CSIR-IITM, Bhubane- shwar
Navaneetha (M.Sc. Chemistry 2019)	Inspire Fellowship, Pursuing PhD at CSIR – IICT, Hyder- abad
Dr.Pasupuleti Visweswara Rao (M.Sc. Biotechnology, 2005)	Young scientist award, Young Researcher Award, Top 2% Scientists by Stanford University
Dr.Nirmalya Ganguly (M.Sc. Biotechnology, 2014)	Scientist – C, NIAB, Hyderabad
Lalit Mukund Surana (M.Sc. Biotechnology, 2015)	Entrepreneur, Founder and CEO, A3L FOODS CORPORA-TION , Maharashtra
Ankit Kumar Dubey (M.Sc. Biotechnology, 2019)	Young Scientist Award 2021, Young Achiever award - 2022
Anupam J Das (M.Sc. Biotechnology, 2008)	Entrepreneur, Founder and CEO, Molsys Scientific
Snehal Sampat Jadhav (M.Sc. Biotechnology, 2019)	Sponsored Aspiring Women Entrepreneur program, University of Texas, Austin, USA
Pallavi M (M.Sc. Biotechnology, 2011)	Research Associate at CCMB, Hyderabad
Dr. Anuj Ranjan (B.Sc. Biotechnology, 2008)	Leading Researcher and Post doc Fellow, Southern Federal University, Russia
Manda Krishna Madhuri (2007, M.Sc. Biotechnology)	Awarded PhD in Biological Sciences from AcSIR-IICT (Academy CSIR - Indian Institute of Chemical Technology)
Kanchan Kisan Dornal (M.Sc. Biotechnology, 2019)	Young Professional-II Award, ICAR-NIVEDI, Bangalore
Dr. Sumedha Dahal (M.Sc. Biotechnology, 2014)	Post Doc Fellow, Memorial SloaN Ketting, Cancer Center, New York, USA
Shruthi Peringathara (M.Sc. Biotechnology, 2013)	PhD at University of Medicine, Greifswald, Mecklenburg, Germany
Prachi Shankar Jagtap (M.Sc. Biotechnology 2013)	PhD at at ICMR-National Institute of Virology (NIV) Pune
Neha Mandyani (M.Sc. Biotechnology, 2016)	Completed MS at Lehigh University, Pennsylvania, USA
Pooja Phaterpekar Rao	IPR and Patent Specialist
Akshatha Ravi, Neha Tanvar and Uma Devi (M.Sc. Biotechnology, 2019)	TERI – Eco Eurekha Fellowship Award
Chinmaya, Jayasurya, Praveen (M.Sc. Biotechnology, 2019)	KSCST Student Project Program
Ruchitha, Noel D Costa, Hemanth and Pradeep (M.Sc. Biotechnology, 2022)	KSCST Student Project Program
Vaishnavi, Jyothsna Supriya Dhoni (M.Sc. Biotechnology, 2022)	Qualified ICAR JRF 2022
Prem Shankar Mishra (M.Sc. Biotechnology, 2005)	Post Doc Research Associate, University of Texas, USA
Siddarth Dave, M. Sc (Chem)	All India topper in NPTEL course entitled "Reagents in Organic Synthesis" in 2022.
Lekhasri (M.Sc. Biotechnology, 2022)	All India topper in NPTEL course entitled "Organic Farming and Sustainable Agriculture Production" in 2021



PLACEMENT

- Students graduating from REVA-SoAS have been placed in leading Industries in India.
- Biocon, Jubilant Biosys, ITC, Medrich, IQVIA, Dr. Reddy's laboratory, IISc, IITG, RL Fine Chem, Eurofin, Medrich, UMS-Hyderabad, JNCASR, Criyagen AgriBiotech Pvt. Ltd., Avasthagen, ICAR-NIVEDI, UAS, Bangalore Genei Pvt. Ltd., Vidhartha Life Sciences, Advarra India Pvt. Ltd., Indigene, INSTEM-NCBS, Syngene, KIMS, Bangalore, VNIR, Bangalore etc.
- Accenture, IBM, TCS, Wipro, Infosys, Cognizant, LG Soft, Prodapt, ISRO, IIT-Dharwad, IUAC-Delhi, IIA.
- Bioinformatics graduates have been placed at Nucleome informatics Pvt Ltd, MapmyGenome Pvt Ltd, MapmyGenome Pvt Ltd, Strand Life Sciences Pvt Ltd, Advanta Seeds, Avasthagen, DNAiWorld, BioKart India Pvt Ltd., Sri Sankara Cancer Foundation, Eurofins, MedGenome, Genotypic Technologies.









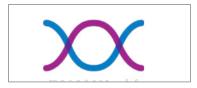














































































RANKINGS

NIRF 2021

Engineering has been listed in the 251-300 position

Date of rank: 9th Sep, 2021



Times-Annual Top BBA Institute Ranking Survey - 2021

REVA has been ranked 7th Position in India & No. 1 University in Karnataka

Date of Rank: 15th Aug, 2021



Business Standard B-School Ranking Survey 2020

B-School has been nationally ranked under A7 Band

Date of rank: 25th Jan, 2021

Business Standard

GHRDC BBA Ranking Survey - 2021

REVA has ranked:

4th Rank of Top BBA Colleges in India

4th rank in Southern region
Date of rank: 26th May, 2021



GHRDC Architecture Ranking Survey - 2021

REVA has been ranked 5th Position in India

Date of rank: 26th May, 2021

GHRDC BCA Ranking Survey - 2021

REVA has been ranked 1st Position in India

Date of rank: 26th May, 2021

Careers 360 Best University 2021

REVA has been Nationally ranked 40th Position & has been rated as AAAA+

Date of rank: 29th April, 2021



India Today - MDRA Best Colleges Ranking - 2021

REVA has been ranked at 30th position among Top 50 Universities in India



Date of rank: 31st july 2021

Times Annual Top Engineering Institute Survey 2021

REVA has been ranked 15th Position PAN India.



Best Institute for Campus Life -MHW RANKING 2021 - Reimagine Inc

REVA has been ranked 7th Position under A1 Band in India B.Com has been positioned 140/160 listed



IIRF - 2021

School of Law has positioned 23rd Rank School of Architecture has positioned 25th Rank

Date of Rank: 28th Dec, 2020



"Best Private Universities 2021" by IIRF, New Delhi

REVA has been ranked 6th Position Nation-Wide & No. 1 University in Karnataka

Date of Rank: 18th August 2021



OBE Rankings 2021

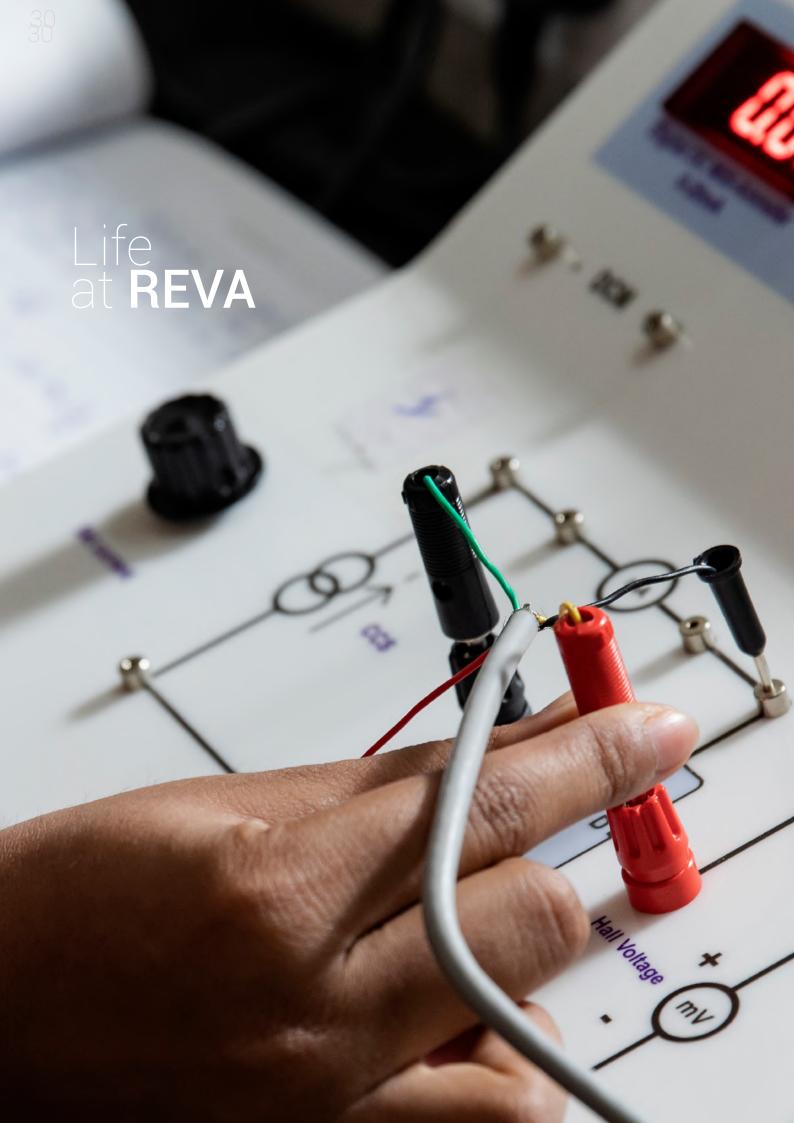
REVA has been ranked 6th Position under A1 Band in India



ARIIA 2021

Ranked in the band "EXCELLENT" under the category "University & Deemed to be University (Private/Self Financed) (Technical)"







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 classrooms 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



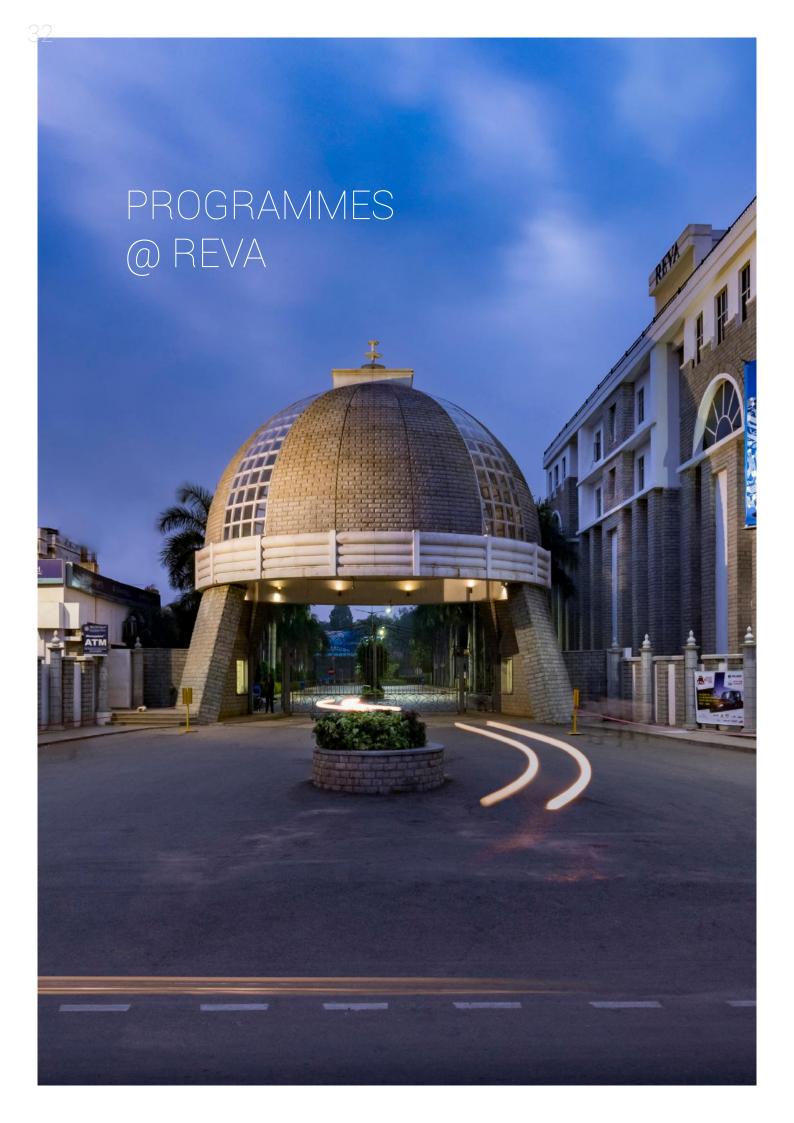
SPORTS

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



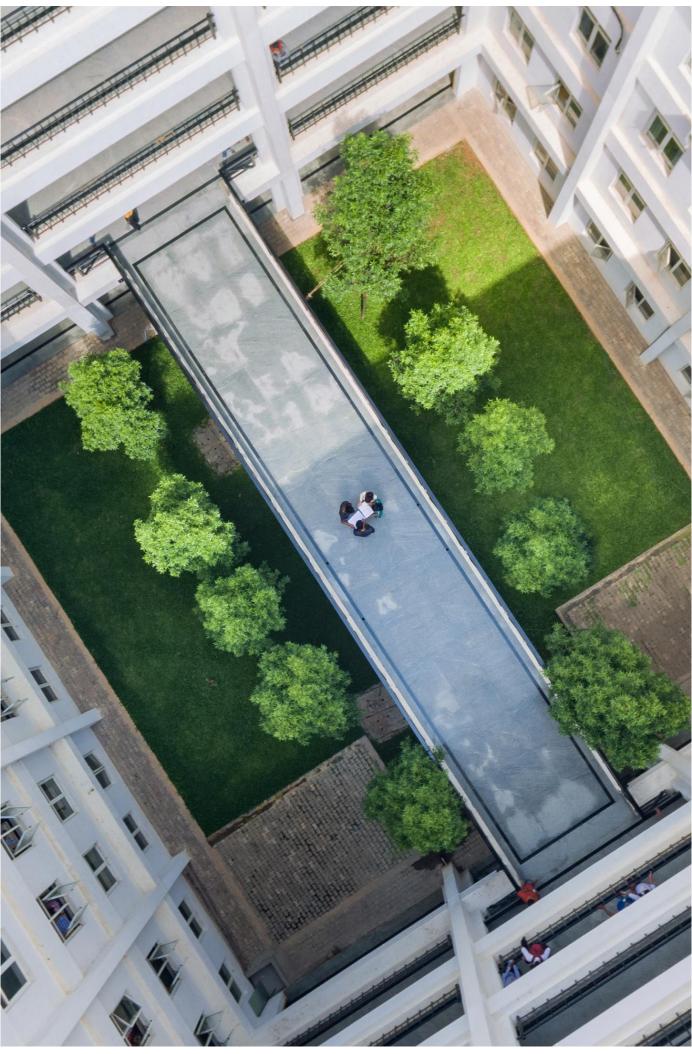
GAZEBOS

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



- 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, Statistics, Computer Science (BSTCS)
- B.Sc. Microbiology, chemistry, genetics
- PG Diploma in Clinical embryology and Assisted Reproductive Technology
- Intensive Certificate Course in Clinical Embryology & Assisted Reproductive Technology (ART)
- 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 Bachelor of Physiotherapy
- 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.





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