



**SRINIVAS
UNIVERSITY**
Centre for Distance and Online Education

A person wearing headphones is shown in profile, working at a computer. The background is a blurred office or coding environment with multiple monitors displaying lines of code. The scene is overlaid with a large blue diagonal graphic element.

Bachelor of Computer Applications (Hons.)

About University

Srinivas University, Mangaluru is a private research and skill-focused university established in 2013 under the Karnataka State Act. It is part of the A. Shama Rao Foundation, founded in 1988 by renowned Chartered Accountant A. Raghavendra Rao. As the flagship institution of the Srinivas Group of Institutions, the university proudly carries forward a legacy of 37 years of excellence in education.

The university is NAAC accredited with an 'A' Grade and includes 12 institutes offering 150+ undergraduate, postgraduate, and research programs. Students can choose from a wide range of fields such as Medical, Engineering, Management, Aviation, Allied Health Sciences, Dental, Nursing, Hotel Management, Physiotherapy, Social Work, Education, and many more.

With a strong focus on industry-aligned curriculum, innovation in examinations, skill-based education, and global collaborations, Srinivas University is committed to preparing future-ready professionals and leaders who can thrive in a rapidly changing world.



NAAC 'A' Grade Accredited

Delivering a strong promise of quality education and institutional excellence.



UGC Aligned & Approved

Ensuring degrees are recognized globally, and meet national higher education standards.



AICTE Approved

Assuring programs follow industry-aligned curriculum, infrastructure, and faculty norms.

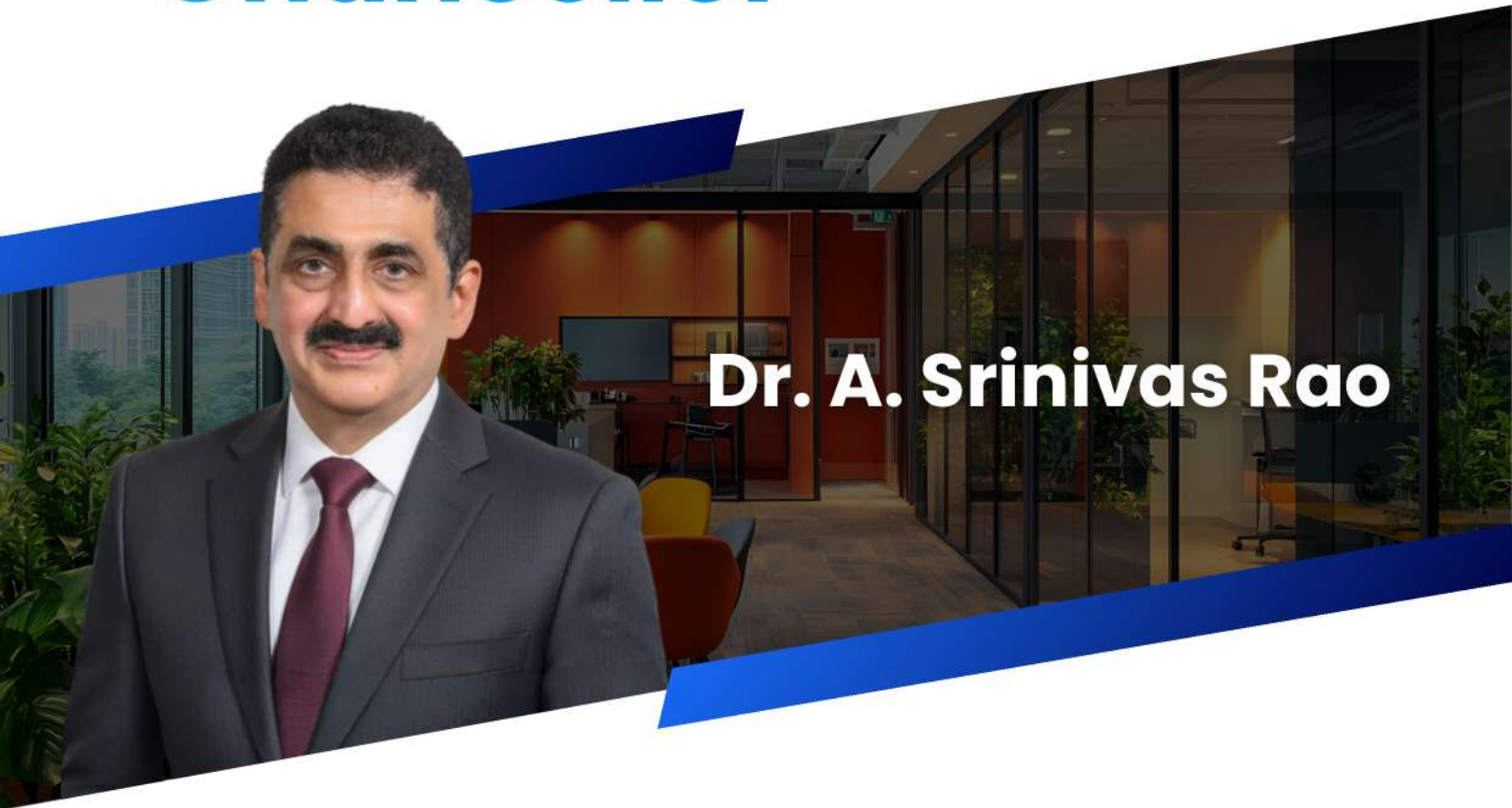
150+ Programs

Diverse, future-ready programs designed to meet global industry needs.

37 Years of Legacy

A proven heritage of academic excellence, innovation, and trust.

Message from the Chancellor



Dr. A. Srinivas Rao

"Srinivas University represents a dream realized – a vision of education that empowers students to build better lives and a better nation. Our focus has always been on innovation, industry connect, and social impact. We strive to create graduates who carry forward the values of integrity, excellence, and service wherever they go."

Profile

Dr. A. Srinivas Rao is the Pro Chancellor of Srinivas University and Vice President of the A. Shama Rao Foundation. He has been instrumental in guiding the Srinivas Group of Institutions toward academic growth and organizational excellence. He earned his Doctorate in Education Management for his thesis on "Quality in Higher Education – A Case Study of Srinivas Institute of Management Studies" from Ashley University, California, USA. A visionary leader with a deep commitment to youth empowerment, Dr. Rao continues to inspire students and faculty through his dedication to quality, character, and service.

Message from the Vice-Chancellor



**Prof. K.
Satyanarayan Reddy**

"At Srinivas University, our commitment to excellence is not an ideal –it is a daily practice. We strive to nurture curious minds and empower students to become innovative leaders who serve society with purpose and integrity. Every program we design combines academic rigor with practical exposure, ensuring that our graduates are industry-ready and ethically grounded."

Profile

Prof. K. Satyanarayan Reddy is a distinguished academic leader and researcher with a vision for transformative education. He has been instrumental in strengthening Srinivas University's focus on quality assurance, research innovation, and student development. Under his leadership, the University has expanded its industry linkages, introduced digital learning initiatives, and enhanced global collaborations. His guidance continues to inspire faculty and students alike to achieve excellence in academics and service to society.

Message from the Registrar



Dr. Anil Kumar

"At Srinivas University, we believe that academic growth thrives in an environment of discipline, collaboration, and innovation. Our systems are built to support students through transparency and efficiency while promoting a culture of mutual respect and continuous learning. We remain committed to empowering each learner to achieve academic excellence and personal success."

Profile

Dr. Anil Kumar is a seasoned academic administrator and management educator with over three decades of experience in teaching, research, and institutional leadership. His expertise spans Business Management, Economics, and Operations Research. Known for his strategic insight and ability to build cohesive teams, Dr. Kumar has played a vital role in strengthening administrative frameworks and ensuring academic governance of the highest standards at Srinivas University.

Bachelor of Computer Applications (Hons.)

Duration: 4 Years | 8 Semesters

Mode of Learning: Online

SKILLS ACQUIRED



Software
Development



Database
Management



Web
Development



Mobile App
Development



Data Structures &
Algorithms



Cybersecurity
Fundamentals



Problem Solving &
Logical Thinking

OVERVIEW

The Online BCA (Hons.) program at Srinivas University provides students with a comprehensive foundation in computer science through flexible digital learning. The curriculum focuses on programming, software development, databases, and digital technologies. Students learn through online classes, virtual labs, and project-based assessments, making it ideal for learners seeking technical skills while balancing study and personal commitments.

ELIGIBILITY

1. A candidate with PUC/10+2 Commerce/Science/Arts or 3-year Diploma or 2- year JOC /ITI with IT/Computer science related subjects shall be eligible.
2. Passed and graded in 10+2 (or)Diploma programmes will be required
3. In case of non- cognate students (from non – Computer Science background) a bridge course on Foundations of Mathematics and Computer Applications (Hons.) will be administered in addition to the criteria of 1.

Course Structure

SEMESTER 1

Courses

Foundation of Information Technology (T+L)

Problem-Solving using C (T+L)

Basics of Internet and Web Design

Information System/Travel and Tourism Management

Communicative English I

Fundamentals of Python Programming

ESEP with Mathematics

Environmental Studies

SEMESTER 2

Courses

Object Oriented Programming (T+L)

Database Management and MYSQL (T+L)

Computer Organization

Introduction to Data Science/AI in Business Administration

Digital Banking and Payments

Introduction to AI & Cloud Computing

Health & Wellness

Digital Fluency

SEMESTER 3

Courses

Data Structures using C++ (T+L)

HTML, VB Script and Java Script (T+L)

Operating Systems

Customer Relationship Management / Human Resources Management

Introduction to Big Data, Hadoop & Ecosystem

Introduction to Machine Learning

Google Cloud Basics

Constitution of India

SEMESTER 4

Courses

Programming in Core Java (T+L)

Introduction to Dev Ops (T+L)

E-Commerce

Introduction to Robotics

Neural Networks (T+L)

Introduction to Ethical Hacking

Fundamentals of Data Virtualization

SEMESTER 5

Courses

Web Application Using MERN Stack (T+L)

LAMP Technology (T+L)

Discipline Specific Elective (Minor) - 1

Discipline Specific Elective (Major) - 1

Discipline Specific Elective (Minor) - 2

Discipline Specific Elective (Major) - 2

Design Thinking & Agile Methodologies

SEMESTER 6

Course

Internship Embedded Project Work & Viva Voce (or) Research & Dissertation

ELECTIVE POOL FOR DSE (MINOR & MAJOR)

Courses

TCP/IP Architecture and Protocols

Digital Image Processing

Mobile Application Development

Applied Storage and Network Security

Metaverse Technologies and Applications

Augmented Reality Systems and Technologies

Digital Forensic principles and applications

Applications of IoT and Autonomous

SEMESTER 7

Courses

Linux System Administration

Advanced Java

Research Methodology

Software Engineering

Big Data Analytics

Augmented Reality

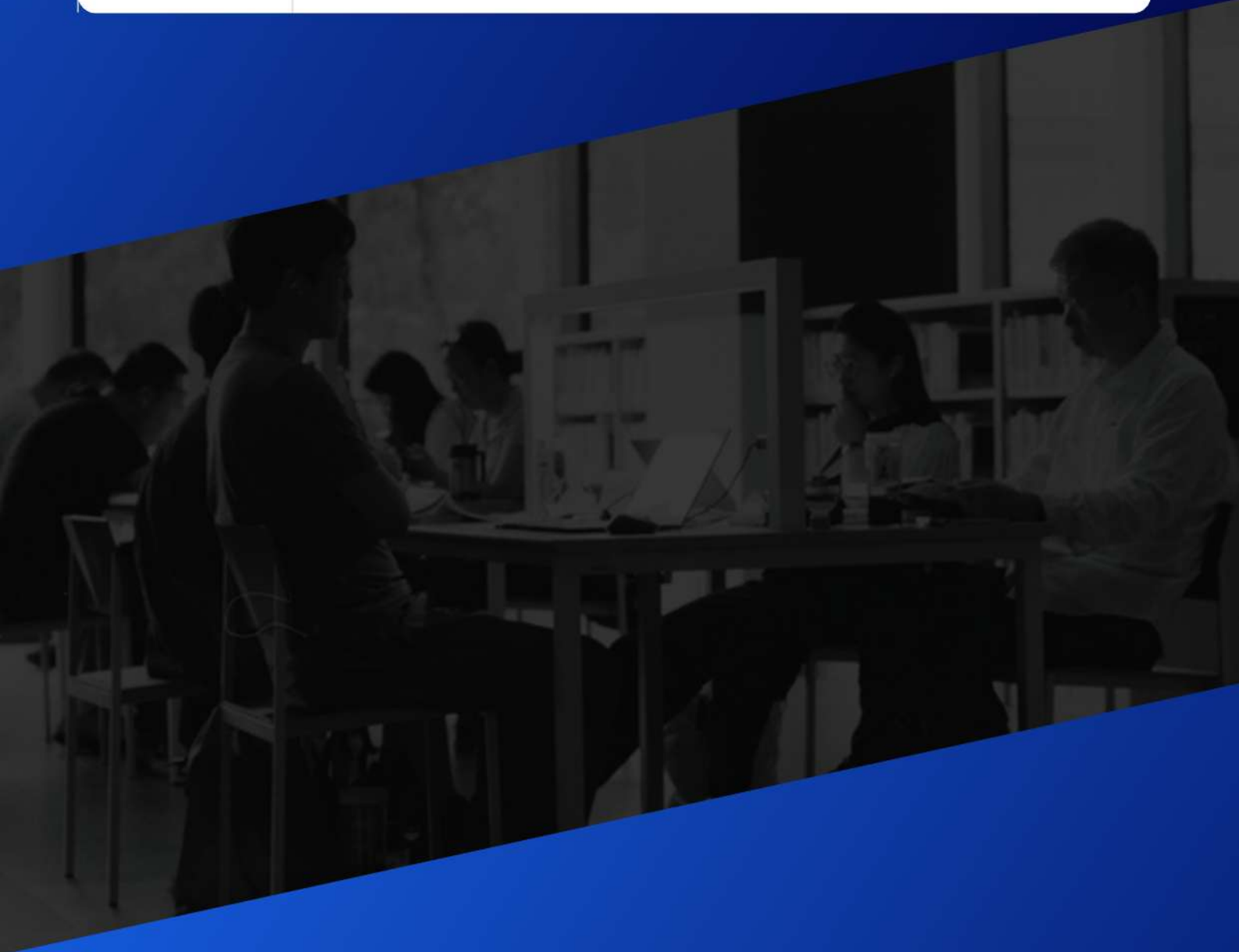
SEMESTER 8

Courses

Internship Embedded Project Work & Viva Voce
(or) Research Work & Dissertation

Fee Structure

	Year 1	Year 2	Year 3	Year 4
Registration Fee (REG FEE)	₹ 500	-	-	-
Exam Fee	₹ 2,000	₹ 2,000	₹ 2,000	₹ 2,000
Tuition Fee	₹ 18,000	₹ 18,000	₹ 18,000	₹ 18,000
Total (per Year)	₹ 20,500	₹ 20,000	₹ 20,000	₹ 20,000
Total Fee	₹ 80,500			



Career Opportunities



Software Developer

- Average Starting Salary in India: ₹4.5–8 LPA
- Role Growth Rate: ~20–25% annually
- Industry Growth Rate: ~22% (Software & IT Services)



Web Developer

- Average Starting Salary in India: ₹3.5–7 LPA
- Role Growth Rate: ~18–22% annually
- Industry Growth Rate: ~20% (Web Development & Digital Services)



Mobile App Developer

- Average Starting Salary in India: ₹4.5–8.5 LPA
- Role Growth Rate: ~20–24% annually
- Industry Growth Rate: ~22% (Mobile Application Development)



Data Analyst

- Average Starting Salary in India: ₹4–8 LPA
- Role Growth Rate: ~20–25% annually
- Industry Growth Rate: ~23% (Data Analytics & Business Intelligence)



Cloud Support Associate

- Average Starting Salary in India: ₹4.5–8 LPA
- Role Growth Rate: ~22–26% annually
- Industry Growth Rate: ~24% (Cloud Computing & IT Infrastructure)



Cybersecurity Analyst

- Average Starting Salary in India: ₹5–9 LPA
- Role Growth Rate: ~24–28% annually
- Industry Growth Rate: ~25% (Cybersecurity & Information Security)



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