



BACHELOR OF
COMPUTER APPLICATIONS

BCA

svyasa.edu.in



S-VYASA
Deemed-to-be University
SCHOOL of ADVANCED STUDIES

NAAC
GRADE A+
ACCREDITED UNIVERSITY

MILESTONE JOURNEY



1975
Establishment
of S-VYASA



1985
First Research
publication in
British Medical
Journal



1988
SIRO (Scientific &
Industrial Research
Organisation)
Recognition



2011
Center for
Excellence by
Ministry of
AYUSH



2007 - 2012
ICMR Research
Center Approval
For Advanced
Research in Y & N



2002
Deemed-to-be
University Status by
Ministry of
Education, GOI



2013
Listed in Category
'A' by Ministry of
Education, GOI



2014
Awarded UGC
12B Status for
High Standards of
Education & Research



2017
A+ Grade - Cycle II,
NAAC
Accreditation



2023
A+ Grade - Cycle III,
NAAC
Accreditation



2019
Awarded KSURF
4 Star Specialist
University Status



2018
Awarded Category-1
University Status
by UGC



2024
Opened World Class
(2nd Campus) at
Global Tech Park

| SHAPING FUTURE INNOVATORS



PADMA SHRI
Dr. H R Nagendra
President, S-VYASA

Welcome to S-VYASA Deemed-to-be University, School of Advanced Studies (SAS) where the digital leaders of tomorrow are shaped today. Our BCA programme blends advanced computer applications with a focus on Artificial Intelligence, Data Science, and Cybersecurity, while fostering holistic personal development. At S-VYASA, we believe computing is more than just programming—it's about building intelligent, secure, and ethical digital solutions for a better world. We prepare tech-savvy innovators who are equipped to lead the future of technology with purpose and impact.

Join us on a transformative journey where your skills are sharpened, your potential is empowered, and your future is built on a foundation of excellence.

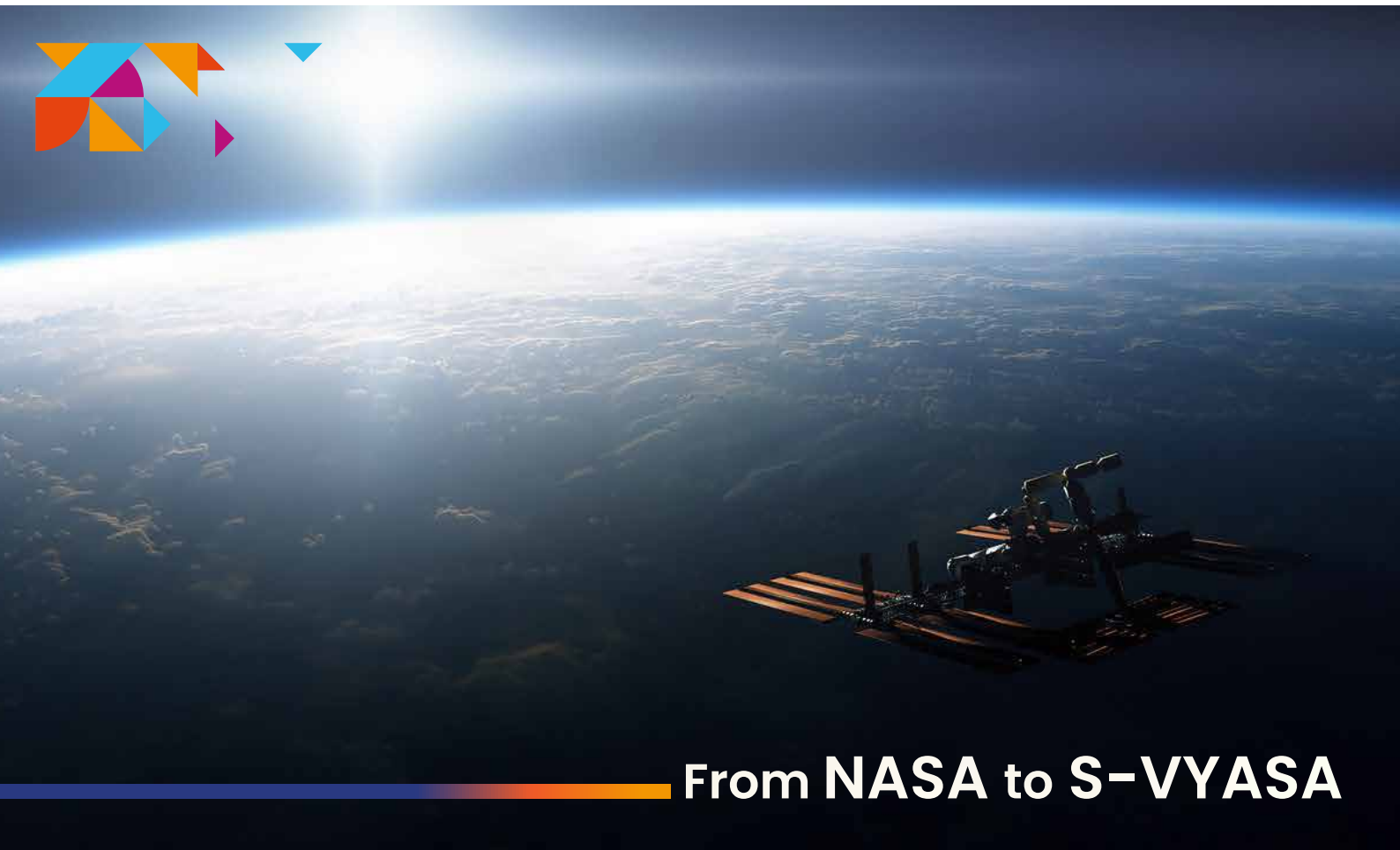
A VISIONARY LEADER, Dr. H R NAGENDRA PIONEERED THE INTERNATIONAL DAY OF YOGA AND BRIDGED THE **WORLDS OF SCIENCE AND HOLISTIC WELL-BEING.**

ABOUT **S-VYASA**

A LEGACY FORGED AT NASA, **FLOURISHING AT S-VYASA**

S-VYASA stands on the visionary foundation of **Padma Shri Dr. H R Nagendra** – the 'Yoga Scientist.' From NASA's cutting-edge research to championing the International Day of Yoga, his journey shapes our distinctive approach to education.

S-VYASA Deemed-to-be University, School of Advanced Studies (SAS) is India's leading university, accredited with **NAAC A+** and approved by **AICTE**. At S-VYASA, students discover the transformative power of education through a variety of Programmes ranging from undergraduate to PhD, all within a supportive, creative, and professional environment. The university blends traditional approaches with modern advancements, preparing students for successful careers by teaching practical skills, fostering industry connections, and providing real-world experiences.



From **NASA** to **S-VYASA**



| PROGRAMME OVERVIEW

The Bachelor of Computer Applications (BCA) Programme, offered by the School of Advanced Studies, equips students for success in the ever-evolving IT industry. This three-year undergraduate programme goes beyond just teaching the basics of coding and computer applications. It provides a comprehensive foundation in computer science, with courses in programming languages, software development fundamentals, database management, networking, and web development. Whether building secure databases, designing user-friendly websites, or navigating complex networks, this Programme prepares graduates to excel in their IT careers.

| ADMISSION ELIGIBILITY

Educational Qualification: Completion of 10+2 or equivalent from a recognized board.

Stream: Students from all streams (Science/Commerce/Arts) are eligible.

Minimum Pass Percentage: A minimum aggregate percentage in the 10+2 or equivalent (45%) is required.

PROGRAMME HIGHLIGHTS



SPECIALISATION CURRICULUM:

The Programme offers a well-rounded curriculum covering essential subjects such as programming fundamentals, data structures, algorithms, database management systems, computer networks, software engineering and web development. Within the BCA Programme students can choose from two specializations.



INNOVATIVE PEDAGOGICAL PRACTICES:

The university emphasizes innovative learning by integrating technology, management, and wellness programmes such as yoga. Modern teaching methods, experiential learning, and practical experience ensure a comprehensive educational journey, empowering students to lead their education.



INDUSTRY-RELEVANT SKILLS

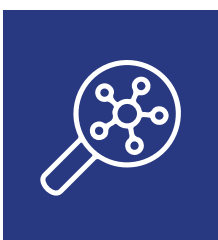
THROUGH INDUSTRY CERTIFICATIONS:

The Programme provides you with the latest tools and methodologies used by IT professionals today, ensuring you are industry-ready to thrive in the fast-paced tech industry.



INDUSTRY AND ACADEMIA COLLABORATION:

The BCA programme benefits from strong collaborations between industry and academia, offering students valuable perspectives from leading institutions like IITs and international universities. Experienced professionals from our industry partners, such as LTI Mindtree, TCS, HP, Intel, and IBM, are closely involved in shaping the curriculum and delivery of the programme. They bring real-world knowledge and expertise directly into the classroom, ensuring that graduates are well-equipped with skills that align with current industry needs.



HOLISTIC DEVELOPMENT:

The BCA programme places a strong emphasis on essential soft skills - from effective communication and interpersonal skills to professional grooming and powerful body language. At the core of S-VYASA's approach is the integration of yoga and wellness practices, which foster physical health, mental clarity, and stress resilience. This unique blend prepares you to handle workplace pressures gracefully, communicate with confidence, and grow into a holistic professional, ready to excel in both your career and personal life.

PROGRAMME OUTCOMES

The Bachelor of Computer Applications (BCA) Programme focuses on Knowledge, Skills and Abilities that students are expected to attain by the time they complete the Programme. The Programme Outcomes are designed to reflect the Programme's goals and ensure that learners are well-prepared for the demands of the industry. Students can expect to gain the following relevant skills.

Technical Proficiency

Demonstrate understanding of fundamental computer science and information technology concepts, including programming languages, database management, data structures, algorithms, networking, and software engineering principles.

Problem Solving Skills

Analyze complex problems, identify requirements, and develop effective solutions using appropriate computational techniques and tools.

Software Development

Demonstrate adequate skill in designing, developing, and testing software applications, including web-based, desktop, and mobile applications, adhering to industry best practices and standards.

Database Management

Proficient in designing, implementing, and managing databases, including data modeling, querying, and administration tasks.

Information Security

Use the principles of information security and be able to implement security measures to protect data and systems from unauthorized access, attacks, and breaches.

Communication Skills

Communicate effectively, both verbally and in writing, with technical and non-technical stakeholders, including the ability to document and present technical information clearly and concisely.

Teamwork and Collaboration

Work effectively as part of a team, including the ability to collaborate with colleagues from diverse backgrounds to achieve common goals.

Continuous Learning

Demonstrate a commitment to lifelong learning and professional development, staying abreast of emerging technologies and industry trends to adapt to evolving job requirements.

Ethical and Professional Conduct

Adhere to ethical standards and professional codes of conduct, demonstrating integrity, honesty, and responsibility in their work.

Entrepreneurial and Innovation Skills

Develop the mindset and skills necessary to identify opportunities, innovate, and contribute to the development of new technologies and solutions as and when the need arises.

PROGRAMME SPECIALISATIONS

The Bachelor in Computer Applications (BCA) Programme at S-VYASA School of Advanced Studies offers various specializations. The students can choose from the following specializations.



BCA Artificial Intelligence,
Cloud Computing and DevOps



BCA Cybersecurity, Ethical Hacking
and Digital Forensics

Objective

Train students to build intelligent, scalable, cloud-native applications using AI, full-stack, and DevOps technologies.

KEY SKILLS

- Programming, Data Structures, Algorithms
- Front-End: HTML, CSS, JavaScript, Angular
- AI/ML: Supervised/Unsupervised Learning
- Cloud: AWS, Azure, GCP
- DevOps: Git, CI/CD, Kubernetes

HIGHLIGHTS

- 1700+ coding hours, 300+ problems solved
- Capstone projects & startup simulations
- Certifications: Microsoft, Google Cloud, MongoDB, Salesforce
- Resume building, mock interviews, and deployment training

Objective

Equip students to protect digital systems, detect threats, and investigate cybercrimes.

KEY SKILLS

- Cybersecurity & Penetration Testing
- Digital Forensics & Malware Analysis
- Network Security & Encryption
- Secure Coding & Risk Assessment

HIGHLIGHTS

- Simulated hacking labs & real-world capstones
- Capstone projects & startup simulations
- Certifications: Azure, AWS, UiPath & Salesforce
- Career tracks: SOC Analyst, Forensics Expert & Security Consultant

CAREER OPPORTUNITIES AND PLACEMENTS

Students graduating with a BCA Programme have a wide range of career opportunities in both the public and private sectors. Some of the roles in AI, Cloud, Cybersecurity, DevOps, and also include:

Junior Software Developer	Web Developer (Junior)	Database Administrator (Junior)	System Administrator (Junior)
Mobile App Developer (Junior)	Data Analyst (Junior)	Technical Support Engineer / IT Support Executive	Quality Assurance Tester
Junior Cloud Engineer	Business Analyst (Junior)	Digital Marketing Executive	Junior Cybersecurity Specialist Analyst

INTEGRATED INDUSTRY AND SKILL CERTIFICATIONS

BCA Programme from S-VYASA Deemed-to-be University, School of Advanced Studies is integrated, and the curriculum consists of certifications in industry-leading skill courses, which can significantly enhance their educational and professional development.



Our programme integrates globally recognized certifications to equip students with specialized, in-demand skills, enhancing employability and global career potential.

KEY BENEFITS:

CAREER EDGE

Validates technical skills, boosting job prospects and advancement.

SPECIALIZED SKILLS

Focused training in industry-relevant tools and technologies.

CREDIBILITY

Recognized certifications signal job readiness and professional credibility.

PROOF OF PROFICIENCY

Formal validation of skills builds confidence and competency.

INDUSTRY RELEVANCE

Ensures students graduate with current, job-ready knowledge.

GLOBAL REACH

Credentials recognized by top employers worldwide and MNCs.

FACULTY PROFILE

Our faculty, led by **Dr. Sachin Sharma**, Dean-CSA, drives innovation and digital transformation. This team of industry experts and academicians integrates advanced technologies into teaching, research, and collaboration. Committed to experiential learning, they prepare future-ready professionals grounded in ethics and sustainability for the evolving tech landscape.

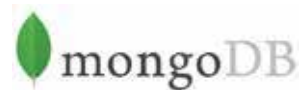
INDUSTRY-READY BCA PROGRAMMES

INTEGRATED PROGRAMME ADVANTAGES

- 80% Hands-on Learning
- 300+ Global Hiring Partners
- Paid Internships
- Global Certifications
- 100% Placement Assistance

INDUSTRY CERTIFICATIONS

Students earn **globally recognized credentials** from:



These validate their technical skills and enhance their job readiness across industries.

REAL-WORLD LEARNING

- Integrated practical sessions
- Hackathons, case studies, mini & capstone projects
- Tools: Git, Salesforce, MongoDB, Zoho, Azure
- Internship-based projects with deliverables

CAREER PREPARATION & SUPPORT

- Structured mentorship
- Resume and portfolio building
- Industry-specific training
- Mock interviews and DevOps-based deployment training



WHY CHOOSE S-VYASA FOR BCA?

Holistic integration of technology and spiritual knowledge (a unique USP).

International certifications and global exposure.

Industry-aligned curriculum with career-focused specializations.

Industry-ready graduates with employability skills.

Strong placement record with top recruiters.

ELEVATE YOUR CAREER TODAY

READY TO TAKE THE NEXT STEP IN YOUR PROFESSIONAL JOURNEY?

APPLY NOW TO THE

S-VYASA BCA PROGRAMME

- 1 Visit Our Website:**
<https://svyasa.edu.in/>
- 2 Submit Your Application:**
Complete the online application form.
- 3 Prepare Your Documents:**
Gather required documents.
- 4 Attend an Information Session:**
Learn more about our Programmes and meet our faculty.



S-VYASA
Deemed-to-be University
SCHOOL of ADVANCED STUDIES

NAAC
GRADE A+
ACCREDITED UNIVERSITY

EDUCATION meets INDUSTRY

OUR CENTRES OF EXCELLENCE



The Programme, co-developed with IBM's ICE, offers a curriculum aligned with industry standards. Students gain practical experience through projects, case studies, and mentorship from IBM professionals. With their degree, they earn industry-recognised certifications in AI, Data Science, Cloud Computing, and more.



- Courses delivered by IBM Subject Matter Experts.
- Project and internship-based learning with IBM mentorship.
- IBM ICE merchandise and learning kits for students.
- Globally recognised IBM Digital Badges.
- Internship and placement opportunities facilitated by IBM

The Programme, enhanced by TCS iON, integrates a phygital learning model that combines classroom instruction with digital tools. Through Industry Honour Courses and the Placement Success Programme, students acquire essential skills in coding, analytics, and soft skills, aligning with current industry demands.



- Courses delivered by TCS Subject Matter Experts in the classroom.
- Project and internship-based learning, with placement opportunities from TCS partners.
- Participation in national and global hackathons.
- Recognition of Industry Honour Courses through digital credentials.
- Employability skill certifications, including NQT and job readiness training through PSP

Students receive comprehensive support to pursue international education through our collaboration with Santamonica Study Abroad Pvt. Ltd.. With over 20 years of experience and partnerships with 800+ institutions across 30+ countries, Santamonica offers:



- Guidance on university/college and course selection
- Assistance with applications, admissions, scholarships, and funding
- Visa processing and interview preparation
- Pre-departure and post-arrival support
- Opportunities for dual degrees, internships abroad, summer schools, student exchange and credit transfers

As a Cambridge Learning Partner, we offer an internationally recognised CEFR-aligned English language learning Programme. This Programme enhances students' language proficiency, providing them with a competitive edge in academic and professional settings.



- Structured learning and testing through CEFR-based assessments
- Improved academic and career outcomes
- Enhanced global mobility and employability
- Recognition by universities and employers worldwide

Our industry and edtech partners actively train and mentor students, equipping them with the skills needed for successful placements.

*T&C applied

INTERNATIONAL AFFILIATIONS & MoUs



and more than **30+ International Institutions**

NATIONAL AFFILIATIONS & MoUs



and more than **70+ National Institutions**

EDTECH PARTNERSHIPS



OUR ASSOCIATES



ARE YOU READY TO BUILD THE FUTURE WITH US?

YOUR JOURNEY STARTS HERE

LET'S MEET !

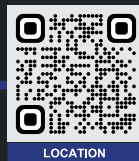


SCAN TO CONNECT



S-VYASA
Deemed-to-be University
SCHOOL of ADVANCED STUDIES

S-VYASA Deemed-to-be University is a hub for pioneering computer education – where technical mastery meets real-world application. Our BCA program, driven by strong industry collaborations and a future-focused curriculum, empowers you to lead digital innovation and engineer the tech solutions of tomorrow.



LOCATION

S-VYASA SCHOOL OF ADVANCED STUDIES

Sattva Global City, Mysore Rd, Remco Housing Society, Rajarajeshwari Nagar, Bengaluru-560059
+91-9070907066 | +91-9070907099 | info@svyasa.edu.in | www.svyasa.edu.in