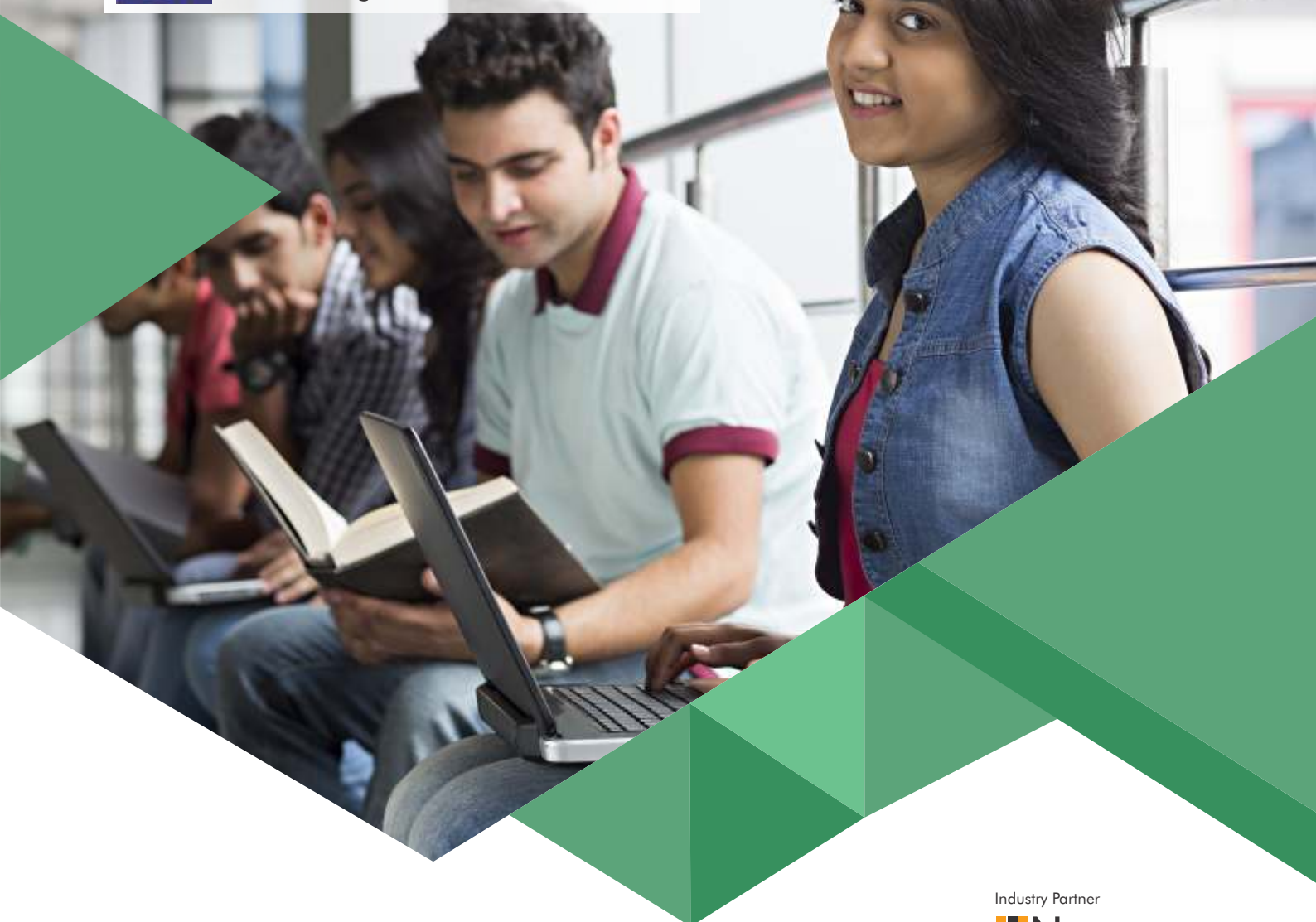




**SRINIVAS UNIVERSITY**

Educating the Next Generation...



## **New-Age BCA Programs for New-Age Careers**

Industry Partner



[www.inurture.co.in/srinivas](http://www.inurture.co.in/srinivas)



## Chancellor's Message



The hard work of 27 years has borne fruit. It is indeed an honour and a great moment in time for me to be at the helm of affairs as Srinivas University takes shape. The nation is peaking towards phenomenal growth and time couldn't be better for all of us; including the final stakeholders i.e. students learning diverse disciplines such as Medicine, Dentistry, Nursing, Engineering, Management, Pharmacy, Para Medical Sciences, etc. in the numerous constituent colleges and I'm certain, that with proper guidance and motivation, this sparkling energy can be channelized for the utilization of building the nation.

We have made giant strides in the recent past and are proud to say that more than 35,000 alumni have passed through the portals of our temples of learning.

Our university presently has 78 programs and 12,000 students who are engaged in critical thinking, innovation and professional skills. While creating fertile minds for professional and personal success, we are further committed to craft responsible citizens who are the embodiment of high ethics and social conduct.

I am extremely pleased that the quality of our graduates is recognized by employers in public and private sector, who offer jobs to our students even before the announcement of results. Our alumni are contributing tremendously in their professions and with value additions, earned high-ranking positions in public and private sectors; nationally and internationally.

As I welcome the new entrants to be a part of this growing university, I am sure that we will sustain our rich heritage and be proud to deliver quality manpower keeping in mind our social mission.

**CA A. Raghavendra Rao**

Chancellor and Founder  
Srinivas University

## **About Srinivas University**

Srinivas University is a Private Research University in Mangalore established in 2013 by Karnataka State Act. Srinivas University is the flagship of 18 Srinivas Group of Institutions started by A. Shama Rao Foundation a private Charitable Trust founded in 1988 by an eminent Chartered Accountant A. Raghavendra Rao. A. Shama Rao Foundation has started many professional colleges in Mangalore. Presently, Srinivas University offers undergraduate, postgraduate, and research courses under 8 Faculties/Colleges with about 60 courses. The University made innovations in designing and starting new super speciality programs both in UG and PG levels as per present and future industry relevance. The University has established a network with many industries, universities, and Education service providers to substantially improve the quality and weightage of the courses.

## **About iNurture Education Solutions Pvt. Ltd.**

iNurture is a pioneer in enabling career-ready formal higher education in India. iNurture powers new-age undergraduate and postgraduate programs of premium Indian and global universities through its unique University-Industry Partnership (UIP) model. iNurture also leverages its strong industry association by providing guest lectures, internships, curriculum design assistance, industrial visits, live projects, and placement assistance. iNurture strives to strengthen the 'employability quotient' across the complete spectrum of adult learning – from college to corporate.

With a pan-India presence and association with leading institutions in Europe and Asia, iNurture focuses on fast-growing domains that are specifically designed to 'intelligently nurture' students for emerging industries and prepare them for 'new' collar jobs. iNurture, through its KRACKiN platform, helps students improve their employability and engage with industry.

## **Srinivas University and iNurture Education Solutions Collaboration**

Srinivas University and iNurture Education Solutions have come together to offer advanced, career-ready undergraduate programs in fast-growing new-age industry sectors.

# BCA Cloud Technology and Information Security



## About the Program

Digital technology has transformed business operations across various industry sectors. Today, IT solutions have huge market because of their scale of impact. Cloud computing is one such innovation that has been gaining greater ground in the technology world. The technology has changed the way IT resources is purchased by organisations. Cloud technology has also paved way for numerous career opportunities for qualified graduates.

Like cloud computing, information security is one other domain that has been rising to prominence. The increased use of internet has put information under threat and organisations throughout the world are on the lookout for professionals who can ensure the security of their systems and networks. Both Information Security and Cloud Technology domains require a qualified talent pool. The BCA Cloud Technology and Information Security program offered by Srinivas University is specially designed to meet the needs of the industry.

## Program Objectives

The program is designed with inputs from industry veterans. The package ensures comprehensive learning experience through theory and practical sessions and industry-relevant seminars and projects.

- ✓ Enable students to appreciate the importance of Cloud Computing and assess the need of resources for a given scenario

- ✓ Help students understand the information security features which are required as part of Cloud offered by various providers
- ✓ Expose students to various administrative features that are carried on servers running on different platforms including concepts of virtualization
- ✓ Thoroughly educate students on various cloud deployment models which will help in providing solutions for various cloud platform related scenarios

## Eligibility

The student should have passed the 10+2 or equivalent examination with Physics, Mathematics and English as compulsory subjects along with Computer or Chemistry or Biotechnology or Biology or any technical vocational subjects as optional with a minimum of 60% marks (55% in case of SC/ST) taken together in Physics, Mathematics and any one of the optional subjects.

## Course Duration

3 Years | Full-time

## Curriculum\*

### Semester 1

Effective Communication Skills  
 Computer Architecture & Organization  
 Operating System  
 Programming in C  
 Lab on Operating System  
 Lab on Programming in C  
 Indian Constitution & Environmental Studies  
 Hindi/Kannada  
 Minor Project

### Semester 3

Object Oriented Programming Concepts  
 UNIX and Shell Scripting  
 Cloud Computing  
 Information Security  
 Client Side Scripting  
 Lab on UNIX and Shell Scripting  
 Lab on Client Side Scripting  
 Lab on Object Oriented Programming Concepts  
 Team Project

### Semester 2

Personality Development  
 Computer Networks  
 Database Management System  
 Data Structure & Algorithms  
 Lab on Database Management System  
 Lab on Data Structure & Algorithms  
 Theory of Mathematics  
 Hindi/Kannada  
 Minor Projects

### Semester 4

Network Security  
 Server Administration  
 Ethical Hacking  
 Employability Skills  
 Fundamentals of Storage  
 Lab on Ethical Hacking  
 Lab on Server Administration  
 Team Project

## Semester 5

Digital Forensics and Investigation  
Datacentre and Cloud Security  
Cloud Scripting Using PaaS  
Cloud Web Services  
ITIL(E1)  
Disaster Recovery and Business Continuity Management (E2)  
Lab on Digital Forensics and Investigation  
Lab on Cloud Web Services  
Team Project

## Semester 6

Project Work / Dissertation

\* Subject to changes if any



# BCA Mobile Application and Information Security



## About the Program

Internet has been connecting people around the world like never before. With evolution in digital technology, traditional business models have been disrupted and new products and solutions are taking over markets. Organisations are looking for ways to better connect with their consumers and serve them better. Mobile applications have been one of the means in which companies are connecting with consumers. Today, an application is capable of solving complex real-world problems. By adapting to this new technology platform, organisations can digitalize their services and product offerings. The increased use of internet has also raised the concern of information protection. With numerous security breach incidents reported throughout the world, information protection becomes crucial for organisations of all scales. Hence there is growing demand for graduates who have specialized knowledge in such new-age domains. The need for advanced programs has motivated Srinivas University to offer BCA Mobile Applications and Information Security.

## Program Objectives

The program is designed to cater to the needs of the industry. It trains students in all those subjects that can enable them to take on responsible roles in new-age domains.

- ✓ Gain fundamental knowledge of programming in C, DBMS, data structure and algorithms and UNIX and Shell scripting



- ✓ Learn in-depth about mobile device and network architecture, network security, mobile wireless and VOIP security and object oriented analysis and design
- ✓ Practical learning experience in digital forensics and investigation, Android programming, ethical hacking and DBMS
- ✓ Get a chance to work on projects that offer greater exposure to the current industry

## Eligibility

The student should have passed the 10+2 or equivalent examination with Physics, Mathematics and English as compulsory subjects along with Computer or Chemistry or Biotechnology or Biology or any technical vocational subjects as optional with a minimum of 60% marks (55% in case of SC/ST) taken together in Physics, Mathematics and any one of the optional subjects.

## Course Duration

3 Years | Full-time

## Curriculum\*

### Semester 1

Effective Communication Skills  
 Computer Architecture & Organization  
 Operating System  
 Programming in C  
 Lab on Operating System  
 Lab on Programming in C  
 Indian Constitution & Environmental Studies  
 Hindi/Kannada  
 Minor Project

### Semester 3

Object Oriented Programming Concepts  
 UNIX and Shell Scripting  
 Information Security  
 Mobile Device and Network Architecture  
 Client Side Scripting  
 Lab on UNIX and Shell Scripting  
 Lab on Client Side Scripting  
 Lab on Object Oriented Programming Concepts  
 Team Project

### Semester 2

Personality Development  
 Computer Networks  
 Database Management System  
 Data Structure & Algorithms  
 Lab on Database Management System  
 Lab on Data Structure & Algorithms  
 Theory of Mathematics  
 Hindi/Kannada  
 Minor Projects

### Semester 4

Network Security  
 JavaScript  
 Ethical Hacking  
 Employability Skills  
 Basic Android Programming  
 Lab on Ethical Hacking  
 Lab on Basic Android Programming  
 Team Project

## Semester 5

Digital Forensics and Investigation  
Mobile, Wireless and VOIP Security  
Advanced Android Programming  
Object Oriented Analysis and Design  
Python (E1)  
Android Security (E2)  
Lab on Digital Forensics and Investigation  
Lab on Advanced Android Programming  
Team Project

## Semester 6

Project Work / Dissertation

\* Subject to changes if any

## Career Progression Path for BCA Graduates in Cloud Technology Domain ^

	Entry Level (0-2 yrs exp)	Mid Level (2-5 yrs exp)	Senior Level (5+ yrs exp)
Average Salary	INR 2,00,000-4,00,000	INR 4,00,000-8,000,000	INR 8,00,000+
Job Role	Cloud Operations Engineer Cloud Network Engineer Cloud Administrator System Administrator Application Developer Junior Manager – Business Analysis	Senior Cloud Support Engineer Cloud Operations Engineer – Management System Integration Specialist Cloud Consultant Infrastructure Manager DevOps Engineer Data Warehouse Administrator	Cloud Enterprise Architect Cloud Infrastructure Architect Cloud Application Architect Statistician
Self-employment	Compensation commensurate with the efforts put in		

^ Information taken from public domain

## Career Progression Path for BCA Graduates in Information Security Domain ^

	Entry Level (0-2 yrs exp)	Mid Level (2-5 yrs exp)	Senior Level (5+ yrs exp)
Average Salary	INR 2,00,000-5,00,000	INR 5,00,000-8,000,000	INR 8,00,000+
Job Role	Cyber Security Analyst/Specialist Analyst –End point Security Analyst –Security Ops Center &SIEM Penetration tester/ Ethical Hacker Analyst-Web Application security Security Engineer Cyber Security Forensic Analyst Cyber security Risk Specialist Cyber Security Analyst Compliance Cyber Security –Presales Analyst	Cyber Security Consultant Cyber Security –Threat Intelligence And Analytics Cyber Security –Vulnerability Researcher & Exploit Developer Application Security Consultant Security Administrator Cyber security –Crime Investigator Cyber Security Risk Management Consultant Cyber Security Compliance Auditor Cyber Security –Technical Sales Consultant	Cyber Security Manager Cyber Security-Enterprise Risk Manager Cyber Security –Senior Auditor –Compliance Cyber Security –Technical sales Manager Cyber security- Technical sales Manager
Self-employment	Compensation commensurate with the efforts put in		

^ Information taken from public domain

## Career Progression Path for BCA Graduates in Mobile Applications Domain ^

	Entry Level (0-2 yrs exp)	Mid Level (2-5 yrs exp)	Senior Level (5+ yrs exp)
Average Salary	INR 2,00,000-5,00,000	INR 3,00,000-8,000,000	INR 8,00,000+
Job Role	Software Engineer/ Developer Mobile Application Developer Android Developer iOS Developer Mobile Web Developer UI Engineer Test Engineer	Sr. Software Engineer/ Developer Sr. Mobile Application Developer Sr. Android Developer Sr. iOS Developer Sr. Mobile Web Developer Sr. UI Engineer Sr. Test Engineer	Project Lead/Project Manager Technical Manager Test Manager UI Development Lead CEO
Self-employment	Compensation commensurate with the efforts put in		

## Market and Career Potential – New-Age Domains

### Cloud Technology

- ✓ India's cloud market expected to be worth \$4.1 billion by 2020 – SAP
- ✓ Cloud computing may generate 1.1 million jobs in India by 2022 – Study by IDC

### Information Security

- ✓ India's cyber security market to grow up to \$35 billion by 2025 - Gulshan Rai, Cyber Security Chief, PMO
- ✓ India needs 3 million cyber security professionals while the supply is not even 100,000 at present – IBM

### Mobile Applications

- ✓ With 36.9 billion mobile app downloads, India tops the list of countries in Google Play Store for the period 2012 and 2018. - App Annie report
- ✓ Mobile app development among the top emerging technological skills in demand – India Today report

## Industry Endorsements

“We believe our association with your campus will help in building a qualified talent pool, further emphasising the importance of collaboration in helping our clients build a stronger business. We are confident that this partnership will help us gain access to top-level talent and keep us differentiated as the 'employer of the choice'.”

- **Abhinav M Joshi**, Campus-HR, Cognizant



“The coverage of topics in iNurture's IT course is good from an IT Security perspective and is able to connect with the industry. I appreciate the efforts put together to choose the topics for the syllabus. It is a job-oriented syllabus, and is aligned with the need of times.”

- **Lopa Mudra Basu**, CISO, SLK Global



"Today organizations have global customers and their employees are working in different geographical locations. Companies want to focus on their core business and are looking for better operating cost for their IT infrastructure. Cloud gives the benefits of scale, availability and ease of management.

This course content will make the students ready for future technologies and exposing them at early stage will help us to encourage innovation in this field. The course is very comprehensive and covers different aspects of IT. This will help the students to get all rounded exposure. Great initiative by iNurture."

- **Divya Jain**, Regional Director - India Enterprise Business, Akamai



"Most other professional domains are saturated, and new-age courses give students an opportunity to explore blue ocean careers where growth opportunities are aplenty because they are new and not saturated. Additionally, everything in the physical form in terms of information is being converted to a digital form, so a cyber-security professional will surely be in demand in the time to come, and there is already an increasing industrial demand for trained cyber security professionals."

- **Advocate Puneet Bhasin**, Cyber Law Expert, Cyberjure legal Consulting

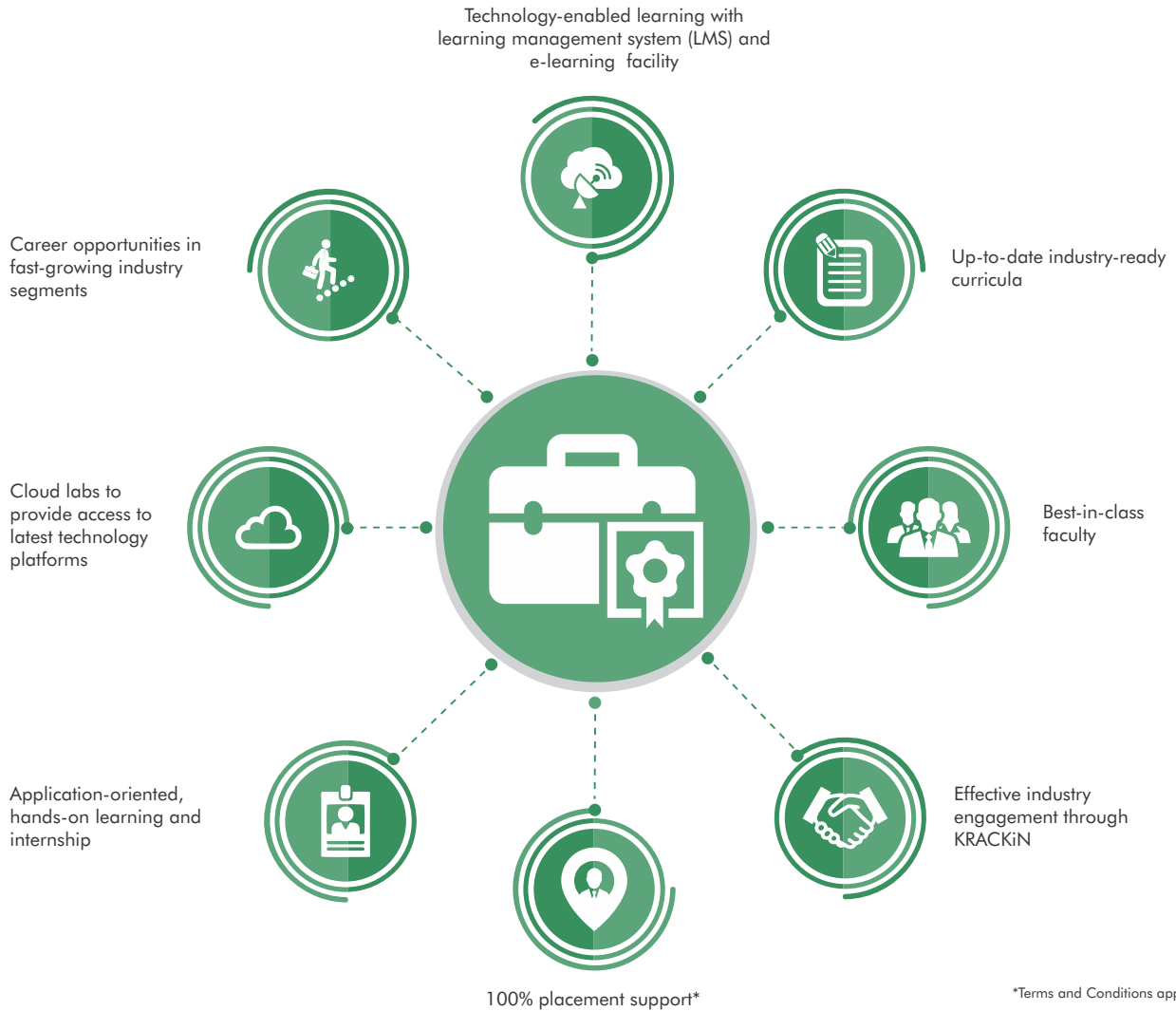


"iNurture's course is very relevant from an industry perspective. Along with theory, lot of focus on implementation and lab work and projects will be highly beneficial for students. The course will help for roles in Mobile Application Development."

- **Smita Yedekar**, CEO, 1Mobility



# Why Choose These Programs?



\*Terms and Conditions apply

## Partial List of our Recent Recruiters\*



\*T&C apply

Industry Partner



[www.inurture.co.in/srinivas](http://www.inurture.co.in/srinivas)

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**+91 99628 35358**



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