



SRINIVAS UNIVERSITY

Srinivas Nagar, Mukka– 574 146, Mangalore, Karnataka, Phone: 0824-2477456
(State Private University Established by Karnataka Govt. ACT No.42 of 2013, Recognized by UGC, New Delhi, & Member of Association of Indian Universities, New Delhi)

Web : www.srinivasuniversity.ac.in, Email: info@srinivasuniversity.ac.in

Administrative Office :GHS Road, Mangalore-01, Phone 0824-2425966

COLLEGE OF ENGINEERING & TECHNOLOGY

Bachelor of Technology

(B.Tech. – Block Chain and Distributed Computing)

Duration: 4 years, Eight semesters. (Admissions open for the batch 2020-21)

Eligibility: Pass in the 10+2 /12th standard with minimum 40% marks. Admission needs valid score in SUAT

About B.Tech. (Block Chain and Distributed Computing):

The introduction of internet was a major milestone in the history of mankind that led to information revolution. Increased use of internet is connecting people and business organizations like never before and there is huge volume of data generated every second across the world. Distributed computing is a model in which components of a software system are shared among multiple computers to improve efficiency and performance. In the enterprise, distributed computing has often meant putting various steps in business processes at the most efficient places in a network of computers. Block chain technologies promise new economic, business, social and technological models that can pervasively impact business and society. Thus it is fundamentally changing the way multiple businesses operate their transactions, especially where transparency, trust and sanctity of a transaction are the key characteristics of the process. Example. Block chain is changing the way financial services firms operate and is transforming the way we transfer, borrow, protect and manage our money. The B.Tech Block Chain and Distributed Computing program offered by Srinivas University focuses on preparing students in new-age IT domains. With knowledge in these domains, students can see greater success during their professional career.

This degree program, which offers dual specialization in Block Chain and Distributed Computing, provides a unique value proposition by combining the important subject areas in each of these new-age fields of study and providing an integrated learning platform. Distributed Computing is often synonymously used as Block Chain. The program offers a wide range of technical and programming skill sets that complement the specialization subjects on Block Chain.

This program is primarily aimed at offering flexibility for students in making their own career choices in Programming or Block Chain or Distributed Computing, thus bringing unique set of value proposition. Through this program students are empowered to compete for Programming, Block Chain and Distributed Computing based job profiles thus significantly improving their employment quotient.

Special Features of the Program:

- Classes will be held between 9.00 am and 2.00 pm with half an hour break during week days.
- E-Study material will be provided from the college for every subject according to the syllabus.
- Industry oriented syllabus with special focus on experimental learning.
- Mini project in each semester.
- Campus recruitment facility and higher education opportunity leading to M.Tech and MBA.
- Innovations in examination system with opportunity to see the evaluated papers in person.
- 50% weightage of marks on continuous evaluation and 50% weightage on semester end exam.
- Make-up exams in every semester to avoid year loss.
- Placement support and research oriented projects for every student.
- Focus on smart skill development and training for competitive exams.
- Separate Hostels & Transport facility for boys & Girls.

Career Opportunities:

Block chain Developer, Ethereum Developer, Smart Contract Developer, Block chain Solution Architect, Block chain Project Manager, Block chain Analysts, Block chain Tester, Block chain UX Designer, Block chain Quality Engineer, Block chain Legal Consultant.

Programme Structure:

SEMESTER 1		SEMESTER 2	
S. No.	Subject	S. No.	Subject
1	Engineering Physics of Materials	1	Engineering Chemistry of Materials
2	Computer Software Concept & Programming	2	Information Communication & Computation Technology
3	Elements of Electrical & Electronics	3	Elements of Mechanical and Civil Engineering
4	Quantitative Techniques in Engineering –I/II	4	Quantitative Techniques in Engineering –I/ II
5	Lab on Engineering Physics of Materials	5	Lab on Engineering Chemistry of Materials
6	Electrical & Electronics Lab	6	Computer Aided Engineering Drawing Lab
7	Lab on Computer Programming	7	Lab on Spreadsheet Programming
8	Technical English (ESEP – Xlanz)	8	Professional English (ESEP – Xlanz)
9	Principles of Environmental Studies	9	Constitution & Professional Ethics
10	Kannada/ Co-curricular Activities/Sports (ESEP)	10	Kannada/ Co-curricular Activities/Sports (ESEP)

SEMESTER 3		SEMESTER 4	
S. No.	Subject	S. No.	Subject
1	Database Management Systems	1	Cryptography
2	Data Structures and Algorithms	2	Information Security & Network Security
3	Operating Systems	3	Distributed systems
4	Computer Network	4	Object Oriented Programming using Java
5	Database Management Systems Lab	5	Information Security & Network Security Lab
6	Data Structures and Algorithms Lab	6	R Programming Lab
7	Computer Network Lab	7	Object Oriented Programming using Java - Lab
8	ESEP- Design Thinking	8	ESEP- Introduction to Cloud Computing
9	ESEP – Xlanz	9	ESEP – Xlanz
10	Co-curricular Activities/ Sports (ESEP)	10	Co-curricular Activities/ Sports (ESEP)
SEMESTER 5		SEMESTER 6	
S. No.	Subject	S. No.	Subject
1	Blockchain Fundamentals	1	Introduction to Ethereum
2	Cloud Web Services	2	Solidity Programming
3	Core-Elective	3	Core-Elective
4	Go Programming	4	Software Engineering
5	Go Programming Lab	5	Ethereum Lab
6	Cloud Web Services Lab	6	Solidity Programming Lab
7	Lab/ Project on Core Elective	7	Lab/ Project on Core Elective

8	ESEP-Intellectual Property Rights	8	ESEP-Patent Analysis
9	ESEP – Xlanz	9	ESEP – Xlanz
10	Co-curricular Activities/ Sports (ESEP)	10	Co-curricular Activities/ Sports (ESEP)
SEMESTER 5		SEMESTER 6	
Core Electives		Core Electives	
S. No.	Subject	S. No.	Subject
1	Web Technology	1	Server Security
2	Mobile Application Development	2	Security Architecture
3	Android Security	3	Security of Ecommerce Application
SEMESTER 7		SEMESTER 8	
S. No.	Subject	S. No.	Subject
1	Introduction to Hyper ledger	1	Project based Internship with applied Patent
2	Ethical Hacking	2	
3	Core/Elective/Soft	3	
4	Introduction to Corda	4	
5	Hyper ledger Lab	5	
6	Ethical Hacking Lab	6	
7	Project	7	
8	ESEP-User Experience Design	8	
9	ESEP – Xlanz	9	ESEP – Xlanz
10	Co-curricular Activities/ Sports (ESEP)	10	ESEP- ABC Skill Trainer (Optional)
SEMESTER 7			
Core Electives			
S. No.	Subject		
1	Cloud Migration		
2	Installation and configuration of servers		
3	Cloud Deployment and Management		

*Join above Innovative **B.Tech. (Block Chain & Distributed Computing)** Programme
with Industry Relevance and Job Oriented Syllabus to
Re-Define Your Career Altitude!!!*

College of Engineering & Technology

CREATING INNOVATORS
SRINIVAS UNIVERSITY
Educating the Next Generation