### REGISTRATION FORM FACULTY DEVELOPMENT PROGRAMME

on

# Research Challenges in Blockchain and Big Data Analysis (5<sup>th</sup> to 10<sup>th</sup> January 2023)

1.	Name of Applicant:
2.	Sex: Male/Female
3.	Designation:
4.	Highest Qualification:
5.	Department:
6.	Teaching Experience (Years):
7.	Name/Address of affiliated College/Organization:
8.	Phone/Mobile No.:
9.	E-Mail:
10.	Food Preference: Veg/Non-Veg:
	DECLARATION
my and sha	information furnished herewith is true to the best of knowledge and belief. I agree to abide by the rules I regulations governing the course. If I am selected, I ll attend the course for the entire duration.  mature of the applicant:
	SPONSORSHIP
	This is to certify that
	/Mr./Ms is a faculty
	mber of our institution and is hereby sponsored for the
	ort term course on Research challenges in Blockchain
	Big Data Analysis. The applicant would be
per	mitted to attend the course, if selected.
Sig	nature of Head of Institution Office Seal

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PATRON:

Hon'ble Minister for Transport Govt. of Kerala

& Principal, SCTCE

For any queries:

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Prof. REJIMOAN R. Assistant Professor Ph: 9446459948 rejimoan@gmail.com

PRINCIPAL
Stee Chura Thirunai
College of Engineering
Trivandrum - 18

FACULTY DEVELOPMENT PROGRAMME

ON

Research Challenges in Blockchain and Big Data Analysis



Sponsored by APJ Abdul Kalam Technological University



Organized by

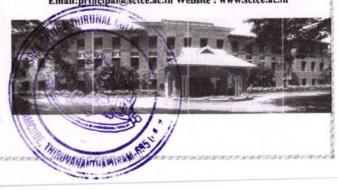
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

## SREE CHITRA THIRUNAL COLLEGE OF ENGINEERING

(Under Govt. of Kerala)

Affiliated to APJ Abdul Kalam Technological University
Pappanamcode, Thiruvananthapuram - 695018
Kerala, Tel: 0471-2490572

Email:principal@sctce.ac.in Website: www.sctce.ac.in



#### ABOUT THE INSTITUTION

Sree Chitra Thirunal College of Engineering (SCTCE) was established under the Department of Transport, Government of Kerala in the year 1995. The College is managed by the Board of Governors with the Honourable Minister for Transport, Govt. of Kerala as the Chairman. SCTCE is one of the few colleges in the state accredited by NBA. The institution is one among the top seven Engineering colleges in the state selected by Central Government for grants under World Bank - TEQIP (first phase).

The Primary objective is to promote education and research in the field of technology and to groom young men and women into competent technocrats, in whose hands the future of our nation is assured. Extensive links with the research Institutes and industries have enabled SCTCE to maintain the vocational and practical base to its courses. The campus is situated on the NH-47, 5 Kms from Thiruvananthapuram Central Railway Station and 10 Kms from the Airport.

#### ABOUT THE DEPARTMENT

Department of Computer Science and Engineering has been promoting value based quality education in the emerging areas of advanced professional studies in Computer science and information technology. The department has close interaction with various leading industries. The department focuses on the development of students by rigorous academic study, excitement of research and imparting industry standard skills. The Department offers B.Tech. programmes in Computer Science and Engineering (CSE) and CSE with Artificial Intelligence and Machine Learning specialization as well as M.Tech. CSE and PhD programmes.

#### COURSE OBJECTIVE

The main objective is to identify the research areas and challenges in blockchain technology and big data analysis.

#### **COURSE CONTENTS**

The enormous growth of cryptocurrencies leverages the rapid development of blockchain technology. Blockchains are immutable and distributed digital ledger systems stores the cryptographically signed transactions in the form of blocks. The blockchain technology has successfully enabled e-commerce systems such as Ethereum, Bitcoin, Litecoin, and Ripple. Blockchain has been broadly used for a variety of applications. Three different types of blockchains are available such as permissionless blockchain, public-permissioned blockchain, and private blockchain. Blockchain technology has widely used in different emerging fields such as the Internet of Things, education, finance and auditing.

Social network analysis focuses on the analysis of pattern of relationships among people, organizations, states and different social entities. The rapid growth of consumer data combined with the impact of social media has created a need to understand the meaningful data by big data analysis. The research works are being carried out in the area of finding the communities from multirelational social network data for identifying criminals and to detect abnormal behaviours. Hands on training sessions will be arranged for familiarizing Blockchain and Big data Analysis.

#### RESOURCE PERSONS

Experts from Industries and Professors from Engineering Colleges.



#### PARTICIPATION

The course is open to faculty members from various engineering colleges under KTU. Maximum number of external participants is limited to 25.

#### REGISTRATION FEE

There is no registration fee for attending the course.

#### IMPORTANT DATES

Last date of submission of registration form: 12/12/2022 Intimation of selection (By E-mail) : 16/12/2022

Filled in registration form should be send by post to the address given below. Advance copy for registration may be send through e-mail.

The Coordinator

Faculty development programme on Research Challenges
in Blockchain and Big data Analysis

Department of Computer Science and Engineering
Sree Chitra Thirunal College of Engineering
Pappanamcode, Thiruvananthapuram - 695018

#### COORDINATORS

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### **Sree Chitra Thirunal College of Engineering**

### DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Research Challenges in Blockchain and Big data Analysis (20<sup>th</sup> July to 26<sup>th</sup> July 2022)

#### **Tentative Programme Schedule**

Date	9.30 to 9.45	9.45 to 11.10		11.20- 11.45	11.45 to 1:00		1.45-3.00		3.10-	5.15	
20/7/22 Wednesday	Regi strati on	1 1		Block (Dr. Mad	Research in c chain hu Kumar, IT)		Techniques used for securing data in Blockchain (TCS)		Research Opportunities in Blockchain (Dr. Priya Chandran, NIT)		
21/7/22 Thursday			Tea Break	in Blo (Prof. A	challenges ckchain anu Mary to, NIT)		Big Data Processing (Dr. Mala C, NIT)	Tea Break	Hands on session - Bigdata (Dr. Mala C, NIT)		
22/7/22 Friday	Tools used for Big Data Analysis (Dr. V. Kavitha)				ations of kchain avitha)	I unch Break	Big Data Analysis (Dr. Sobhana N.V.)		Tools for the implementatio n of blockchain (Dr. Sheebarani)		
25/7/22 Monday				Tools and used for S Block	session on techniques Security in kchain Asharaf)		Research initiatives in Bigdata Analysis (Dr. Sabu M. Thambi)		Demonstration of research challenges in blockchain (Dr. V. Kavitha)		
26/7/22 Tuesday	To	s on session on ools used for Blockchain Or. Asharaf)		Hands on Hyperledg (Blockcha Academy)	ger iin		Hands on session: Multichain (Blcokchain Academy)		Test	Vale dict ory cere mon	

