

# Report on Faculty Development Program

## “Next- Gen Educators: Mastering Blockchain with Algorand”

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**Three Day Faculty Development Program**  
**on**  
**“Next- Gen Educators: Mastering Blockchain with Algorand”**  
**in ssociation with TiE Bangalore, Matrix Forum and Algorand**  
**13<sup>th</sup> – 15<sup>th</sup> June 2024**



## **B.M.S. COLLEGE OF ENGINEERING**

Autonomous Institute, Affiliated to VTU,  
Bull Temple Road, Basavanagudi, Bengaluru, Karnataka 560019

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**Event Details:**

**Date:** 13/06/2024 to 15/06/2024

**Time:** 9:30 AM to 5:00 PM

**Mode of delivery:** Offline

**Convenor:**

- Dr. Abhishek Appaji, Head, Research and Development
- Dr. Indiramma M , Professor and Head, Dept. of AI&DS
- Dr. Nagarathna N, Professor and Head, Dept. of CSE (ICB)

**Coordinator:**

- Prof. Shruthi K R, Assistant Professor, Dept. of AI&DS
- Prof. Krupa K S, Assistant Professor, Dept. of CSE (ICB)

**Outreach Partners:**

- IEEE Computer Society Bangalore Chapter
- IEEE Signal Processing Society Bangalore Chapter

**About the FDP:**

This transformative three-day program is designed to equip academic professionals with the latest in Blockchain Technology, featuring hands-on training and insights from industry leaders. Engage directly with experts from the Algorand Foundation and guest speakers who are at the forefront of Blockchain innovation. The main goal is to equip next generation educators with comprehensive knowledge and practical skills in Blockchain Technology, specifically focusing on Algorand, empowering them to effectively integrate and teach this advanced technology in educational settings.

**Outcomes of the FDP:**

Participants will:

- Gain an in-depth understanding of Blockchain fundamentals and applications.
- Develop the capability to build and manage decentralized applications.
- Be equipped to integrate Blockchain education into their curricula and guide cutting-edge research.
- Receive a certificate recognizing their proficiency in Blockchain technologies.



**TIE BANGALORE**  
ACCELERATING GROWTH TOGETHER



**MATRIX  
FORUM**



**Algorand**

## FACULTY DEVELOPMENT PROGRAMME ON NEXT-GEN EDUCATORS: MASTERING BLOCKCHAIN WITH ALGORAND

### 13 TO 15 JUNE 2024



**Host Partner**



**Department of AI&DS/ CSE (ICB),  
Platinum Jubilee Block, B.M.S.  
College of Engineering, Bull  
Temple Road, Bengaluru**



**IEEE  
Signal  
Processing  
Society**



**IEEE  
COMPUTER  
SOCIETY**  
Bangalore Chapter

**Outreach Partners**






#### About FDP

This transformative three-day program is designed to equip academic professionals with the latest in blockchain technology, featuring hands-on training and insights from industry leaders. Engage directly with experts from the Algorand Foundation and guest speakers who are at the forefront of blockchain innovation. Don't miss this opportunity to enhance your skills and integrate cutting-edge blockchain knowledge into your academic curriculum.

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#### About Algorand Foundation

Algorand is a layer-one blockchain protocol that uniquely solves the trilemma of scalability, security and decentralization. Algorand's unprecedented scalability, with blocks produced in less than three seconds with instant finality, able to process 10,000 transactions per second, and delivering at a cost of a fraction of a cent per transaction, make the technology especially useful for enterprise scale, real world applications. Algorand's carbon neutral footprint stemming from its pure proof of stake consensus mechanism further sets it ahead of many layer-one protocols. Algorand Foundation is the first Web 3.0 platform to join arms with India's leading technology organizations, partnering with NASSCOM Future Skills Prime, T-Hub, TIE Bangalore, and over fifty universities across India, to train developers and invest in teams building the next generation of sustainable, inclusive, technology-based solutions.

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#### About TIE Bangalore & Matrix Forum

TIE was founded in 1992 in Silicon Valley by a group of successful entrepreneurs, corporate executives, & senior professionals. TIE Chapters around the world has become a vibrant platform for entrepreneurs, professionals, industry leaders, investors to interact with one another & forge long lasting relationships. The Matrix Forum, a Think-tank Initiative of TIE. Started in 2014.

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#### About Host Institution

B.M.S. College of Engineering (BMSCE) was established in 1946 which is the first private sector initiative in engineering education in India. BMSCE has completed 77+ years of dedicated service in the field of Engineering Education. BMSCE offers 14 Undergraduate, 12 Postgraduate programmes and recognised with 15 research centres.

SCAN ME



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**Deadline: 5 June 2024**



**9844923632** | [abhishek.ml@bmsce.ac.in](mailto:abhishek.ml@bmsce.ac.in)

<https://events.tie.org/AlgorandFDPprogram#/>

### Resource Persons Details:

The speakers for the 3-day FDP were :

Sl. No	Resource Person
1	<b>Dr. Nikhil Varma</b> is Associate Professor of Management at Ramapo College of New Jersey, and brings over 20 years of industry experience with a profound academic foundation in Operations and Supply Chain, Blockchain, Data Analytics, Artificial Intelligence, and Sustainability. Nikhil earned his bachelor's degree in computer engineering from Birla Institute of Technology, Mesra, followed by a master's in computer engineering from Concordia University, Montreal. He further advanced his education with an MBA and later a PhD in Operations Management, both from HEC Montreal. Currently serving as the Technology Lead for the Algorand Foundation in India, Nikhil guides a vibrant technical community in developing enterprise-grade blockchain solutions. He is also a senior fellow and chair of the Blockchain task force at The Digital Economist, focusing on policy development for institutions like the United Nations and World Economic Forum. His upcoming book, "Blockchain Capitalism" explores the potential of blockchain to create a more equitable economic model.
2	<b>Sunil Kapadia</b> , Ambassador (India), Algorand Foundation, experienced trainer in advanced blockchain integration across sectors.
3	<b>Meet Thosar</b> , Ambassador (India), Algorand Foundation, experienced full stack developer for Algorand-based projects.
4	<b>Mohammad Mudassir</b> , Jr. Support Engineer, Algorand Foundation, focused on the deployment and operation of blockchain solutions.
5	<b>Aby Varghese</b> , CEO of Anveshak, providing traceability solutions on Algorand, will discuss real-world applications of blockchain.
6	<b>Muthanna PM</b> , Program Manager at Divum Corporate Services Pvt Ltd, specializing in Web 3.0 development, will delve into the latest trends in blockchain technologies.
7	<b>Ms. Sheeba Thomas</b> , Head of Content and Partner Engagement at SSC Nasscom Future Skills Prime, will explore content strategies and partnership building in blockchain education.

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## **Session Wise Details :**

### **Day 1: Introduction to Blockchain and Algorand Technology**

- Foundation of blockchain technology and specific features of Algorand.
- Hands-on session with Algorand smart contracts.

Guest Speaker: Aby Varghese discussing traceability solutions in blockchain.

### **Day 2: Practical Applications and Use Cases**

- Focus on supply chain tokenization and DApps on Algorand.
- Training in Algorand Wallet management and transaction processes.

Guest Speaker: Muthanna PM covering Web 3.0 innovations and their integration with blockchain.

### **Day 3: Advanced Topics and Future of Blockchain**

- Exploration of cryptocurrencies, trading, regulations, and token economics.
- Discussion on recent blockchain research trends and application deployment on Algorand's network.

Guest Speaker: Ms. Sheeba Thomas presenting on educational content and partnerships in blockchain to enhance the classroom experience.

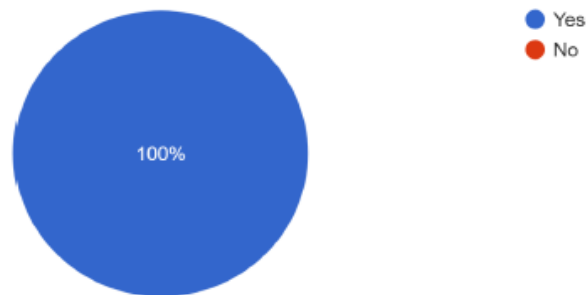
### **Feedback from the participants on the entire FDP:**

The overall feedback from the FDP was good. Participants actively took part in all the sessions and interacted with resource persons. The three-day sessions addressed various topics in Blockchain Technology, its architecture and working principles, security protocols, various applications, and research directions.

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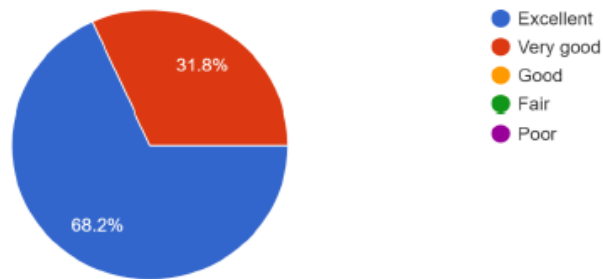
Did the program benefit you in terms of relevance to Blockchain technology?

22 responses



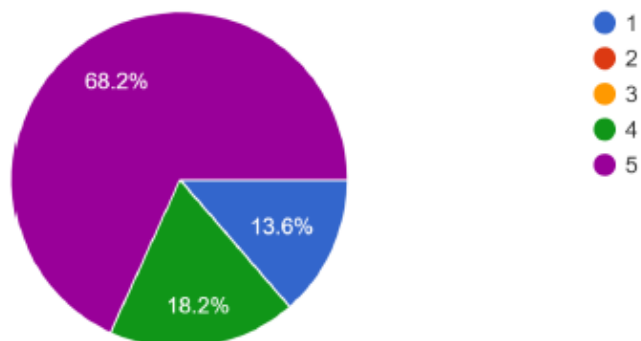
Please rate the venue in terms of comfort, accessibility, and suitability for the event.

22 responses



How would you rate your overall experience at the event?

22 responses

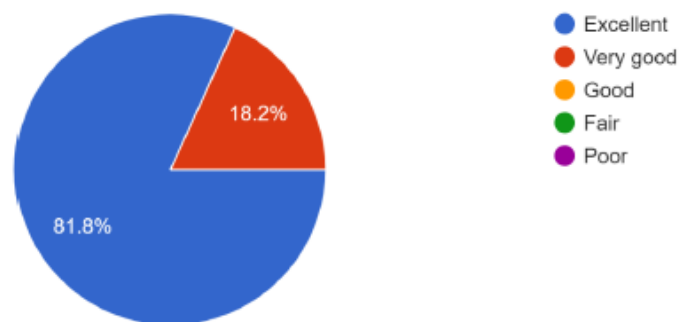




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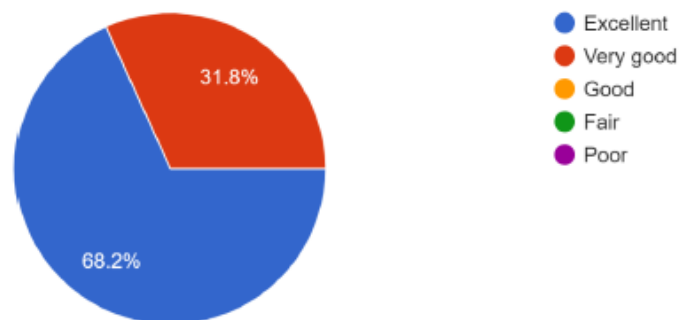
How would you rate the effectiveness and expertise of the speakers/presenters?

22 responses



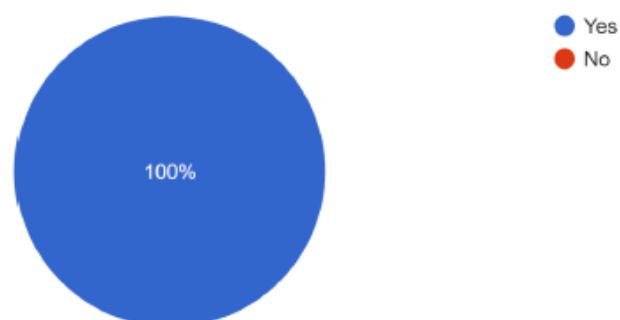
How would you rate the quality and depth of the content presented?

22 responses



Would you attend similar events in the future?

22 responses



## Photographs :





