

Department: CSE | Date: 19<sup>th</sup> to 24<sup>th</sup> August, 2019

**AICTE Sponsored One Week STTP on**  
**“Blockchain Technologies : Applications and Challenges”**

The Blockchain is an encrypted, distributed database that records data, or in other words it is a digital ledger of any transactions, contracts - that needs to be independently recorded. One of the key features of Blockchain is that this digital ledger is accessible across several hundreds and thousands of computer and is not bound to be kept in a single place. Blockchain chain has already started disrupting the financial services sector, and it is this technology which underpins the digital currency- bitcoin transaction.

With Blockchain technology in financial sector, the participants can interact directly and can make transactions across the internet without the interference of a third party. Such transactions through Blockchain will not share any personal information regarding the participants and it creates a transaction record by encrypting the identifying information. The most exciting feature of Blockchain is that it greatly reduces the possibilities of a data breach. In contrast with the traditional processes, in Blockchain there are multiple shared copies of the same data base which makes it challenging to wage a data breach attack or cyber-attack . With all the fraud resistant features, the block chain technology holds the potential to revolutionize various business sectors and make processes smarter, secure, transparent, and more efficient compared to the traditional business processes.

Dr. A.V.Sriharsha, Professor of Computer Science and Engineering, Department of CSE, Sree Vidyanikethan Engineering College, has been granted Rs. 3.81 lakhs by AICTE, New Delhi, for the conduct of One Week Short Term Training Programme on “Blockchain Technologies : Applications and Challenges”. Participants from prominent colleges of Andhra Pradesh and Tamilnadu have registered for the Short Term Training Programme. Dr. K. Chandrasekharan, Professor of Computer Science and Engineering in National Institute of Technology, Surathkal (Mangalore), have consented to preside over the Inaugural Function.



**Participants registration desk, Faculty collecting the registration details and issuing kits**



**Prayer at Inaugural**

**Day 1 – 19.09.2019 (Monday)**

Dr. P. C. Krishnamachary, Principal, Dr. V. V. Rama Prasad, Dean (Academics) have also shared the dais with Dr. K. Chandrasekharan and addressed the participants.

The event started with Prayer and Lighting of Lamp.



**Lighting of Lamp after the prayer at the Inaugural**

The One Week Short Term Training Programme started with lighting of lamp by the chief guest, Dr. K. Chandrasekharan, Professor of CSE, NIT, Surathkal, Dr. P.C.Krishnamachary, Principal, Sree Vidyanikethan Engineering College, Dr. V.V.Rama Prasad, Dean (Academics) and Dr. A.V.Sriharsha, Professor of CSE, followed by the prayer song. Our Principal, Dr. P.C.Krishnamachary felicitated Dr. K. Chandrasekharan. A heart-warming welcome remark was delivered by Dr. P.C.Krishnamachary, Principal, about the influences of Blockchain Technologies. Dr. V.V.Rama Prasad, Dean (Academics) threw many monikers about advances and applications of Blockchain Technologies in the modern scenario. Dr. A.V.Sriharsha, in his address, notified the importance and contents of the training program. The session further continued with the keynote address by Dr. K. Chandrasekharan who enlightened the participants about the significance of Blockchain Technologies in the future. He also has emphasized the importance of the training programme. He evenly mentioned the primary objective of participation is to





inculcate culture of research amongst the teaching millenia.

On the Afternoon of 19<sup>th</sup>, Mr. A. Jayaprakash, Technical Support Lead, Oracle, Hyderabad who is eminent in APAC and EMEA regions, have profound experience in overseas in applications and systems of banking sectors, delivered a two session lecture on Blockchain Technologies Applications, Advantages and Challenges in Blockchain technologies and the present industrial trends.



**Welcoming Mr. A.Jayaprakash being felicitated by our faculty, and addressing the participants in the sessions**

### **Day 2 – 20.09.2019 (Tuesday)**

On the 2<sup>nd</sup> Day, Dr. R. N. Karthika from Madras Institute of Technology Campus at Anna University, Chennai, Department of Computer Science and Engineering has delivered conceptual compositions and hands-on of Ethereum installations and implementations, applications of Smart Contracts using Ubuntu 14.0.4 and Ethereum Private Network in the R&D Labs of the department.



**Dr. R. N. Karthika, delivering the lecture in the session**

### **Day 3 – 21.09.2019 (Wednesday)**

On the 3<sup>rd</sup> Day, Dr. J. Chandrapriya from Madras Institute of Technology Campus at Anna University, Chennai, Department of Computer Science and Engineering, has elucidated details of

Influences of Bitcoin, Bitcoin with Blockchain and Hyperledger on Digital Ocean with hands-on using Ubuntu 16.04 LTS in the R&D Labs of the department.



**Dr. J. Chandrapriya, delivering the lecture in the session**

**Day 4 – 22.09.2019 (Thursday)**

On the Forenoon of 4<sup>th</sup> Day, Dr. K. Balaji Rajendran, Joint Director, CDAC- Bangalore, has given an emphasis on Network Influences of Blockchain with many usecases.

On the Afternoon of 4<sup>th</sup> Day, Ms. Grandhe Jyostna, Principal Technical Officer, CDAC- Hyderabad, has enlightened on applications of Blockchain in e-Governance.



**Dr. K. Balaji Rajendran, Joint Director, CDAC, Bangalore, delivering session on Skype**



**Ms. Grandhe Jyostna, Principal Technical Officer, CDAC, Hyderabad, delivering session on Skype**

**Day 5 – 23.09.2019 (Friday)**

On the 5<sup>th</sup> Day, Dr. P. Natesan, Professor, CSE, Kongu Collge of Engineering, Perundurai, Erode, delivered sessions of significance of Cryptography in Blockchain technologies with case studies and project examples.



**Dr. P. Natesan, Professor, Kongu College of Engineering, delivering whole day session**



**Day 6 – 24.09.2019 (Saturday)**

On the Forenoon of 6<sup>th</sup> Day, Mr. Penchala Praveen Vasili, Business Analytics & Strategy at IBM Global Business Services, India/SA, Bangalore – has enlightened the industrial aspects of Blockchain and applications with case studies and concepts of IBM Blockchain, IBM Cloud Essentials, Data Science Foundations.



**Mr. Penchala Praveen Vasili, IBM Global Business Services - India/SA, Bangalore**



**Mr. Haranadh Mariserla, IBM Global Business Services - India/SA, Pune**

On the Afternoon of 6<sup>th</sup> Day, Mr. Haranadh Mariserla, Business Analytics & Strategy at IBM Global Business Services, India/SA, R & D Division, Pune – has analyzed many industrial casestudies of Blockchain applications and distinguished the incorporation of cryptography, data science into the bitcoin and blockchain technologies.

At the end of the session on 6<sup>th</sup> Day, a Valedictory is organized for the participants and the last day resource persons with the dignitaries of the institution followed by distribution of certificates to the eligible candidates duly evaluated by Program Evaluation Committee, overall feedback and appreciations of the deliberations of short term training programme collected. The Convenor and Organizers bid the Vote of thanks and finally a photo session was organized.





**Convener**