

# WISDOM

KKR & KSR INSTITUTE OF TECHNOLOGY & SCIENCES

Department of Computer Science & Engineering

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## IN THIS ISSUE

## MESSAGE FROM HEAD OF THE DEPARTMENT

### BlockChain:

A **blockchain**, originally **block chain**, is a continuously growing list of records, called **blocks**, which are linked and secured using cryptography. Each block typically contains a hash pointer as a link to a previous block, a timestamp and transaction data. By design, blockchains are inherently resistant to modification of the data. *Harvard Business Review* defines it as "an open, distributed ledger that can record transactions between two parties efficiently and in a verifiable and permanent way." For use as a distributed ledger, a blockchain is typically managed by a peer-to-peer network collectively adhering to a protocol for validating new blocks. Once recorded, the data in any given block cannot be altered retroactively without the alteration of all subsequent blocks, which requires collusion of the network majority.

Blockchains are secure by design and are an example of a distributed computing system with high Byzantine fault tolerance. Decentralized consensus has therefore been achieved with a blockchain. This makes blockchains potentially suitable for the recording of events, medical records, and other records management activities, such as identity management, transaction processing, documenting provenance, or food traceability.

The first blockchain was conceptualized in 2008 by an anonymous person or group known as Satoshi Nakamoto and implemented in 2009 as a core component of bitcoin where it serves as the public ledger for all transactions. The invention of the blockchain for bitcoin made it the first digital currency to solve the double spending problem without the need of a trusted authority or central server. The bitcoin design has been the inspiration for other applications.

### Mission

Providing a strong theoretical and practical education in a congenial environment.

Providing additional skills and training to meet the current needs of the industry.

Inculcating ethical values to meet the challenges of life with courage and confidence.

### Editors

Dr. P. Indira Priyadarshini  
Mr. G. Dileep Kumar  
Mr. M.Mallikharjuna Rao  
Mr. M.Ratna Raju  
Ms. J.Sudeepthi

Prof. R.Ramesh

Head of the Department  
Department of Computer Science & Engineering  
[repudiramesh@gmail.com](mailto:repudiramesh@gmail.com)

- Mr.A.V.Raghava Rao and Mrs.G.Hemalatha are participated in Poster Presentation Organized by Industry –Academia Interaction Meet as part of IISF 2017 on 14<sup>th</sup>-15<sup>th</sup> Oct,2017 held at CSIR-SERC, Chennai.

## FDP:

- Prof.R.Ramesh ,Mr.A.V.Raghava Rao,Mr.G.Dileep Kumar ,Mrs.G.Hemalatha ,Mr.B.Adinarayana and Ms.Ch.Susmitha are attended a 2 days workshop on "Foundation program in ICT for Education & Pedagogy for online and Blended Teaching Learning process" at RVR & JC College of Engineering on 11<sup>th</sup>&12<sup>th</sup> October 2017.

## Student Achievements:

- A Student team lead by Krishna Vamsi III year , has been awarded by rupees 2 lakhs as a cash prize for winning fintech valley Student Challenge by the honorable Chief Minister Sri.NaraChandrababu Naidu in the Block Chain Bussiness Conference at Hotel Novotel, Vizag on 9<sup>th</sup> October 2017.



## Department PSO's & PEO's:

### Program Specific Outcomes:

#### **PSO1: Application Development**

Able to develop the business solutions through latest Software Technique and Tools for Real Time Applications.

#### **PSO2: Professional and Leadership**

Able to practice the profession with ethical leadership as an entrepreneur through participation in various events like Ideathon, Hackathon, Project Expo and Workshops.

#### **PSO3: Computing Paradigms**

Able to identify the evolutionary changes in computing using Data Sciences, Apps, Cloud computing and IOT

### Program Educational Objectives:

PEO1:To provide a strong foundation to students in areas like mathematics, science and engineering fundamentals so as to enable them to solve and analyze engineering problems and prepare them to graduate studies, R&D and studies of higher level.

PEO2:To develop an ability to analyze and understand the requirements of software, technical specifications required and provide novel engineering solutions to the problems associated with hardware and software.

PEO3:To provide exposure to cutting edge technologies to students thereby making them to achieve excellence in the areas of their studies.

PEO4:To provide adequate training to students to make them work in teams on multidisciplinary projects with effective communications skills and leadership qualities.

PEO5:To prepare the students for a successful career wherein they strike a balance between ethical values and commercial values.

### Faculty Achievements:

#### Conference:

- Prof.R.Ramesh,Dr.M.S.S.Sai,Dr.Ch.Aruna and Mr.A.V.Raghava Rao have attended BRIDGE 17 Conference Organized by ICT Academy on 26<sup>th</sup> Oct,2017.
- Dr.P.IndiraPriyadarsini's article entitled "Fuzzy Based Feature Selection for Intrusion Detection System"has accepted in ICASETM-17 Conference Organized by IFERP.
- Mr.A.V.Raghava Rao and Mrs.G.Hemalatha are attended AWS oneday Online Conference Organized by AWS on 31<sup>st</sup> Oct, 2017.

#### Papers Published:

- Dr.G.Murali and Mr.R.V.Kishore Kumar an article entitled "Automated and Specific State Detection of RDX and TNT using Wireless Sensor Networks" was accepted in Journal of Engineering and applied Sciences on Oct,2017.
- Dr.P.Indira Priyadarsini has published a paper "Chock a block Survey on Dimensionality reduction methods" in Journal of Advanced Research in Dynamical and Control Systems (ELSEVIER),Issue.16,pp-884-902,2017.

#### Other work:

- Mr.G.Dileep Kumar got a Best Poster Award in "Smart Car Engine Control System" Poster Presentation Organized by Industry Academia Interaction Meet as part of IISF 2017 on 14<sup>th</sup>-15<sup>th</sup> Oct,2017 held at CSIR-SERC, Chennai.

