

NEWS LETTER

Volume 6 Issue 2

**Department of
Computer
Science & Engineering**



A Half- Yearly Newsletter

TECH TIMES

June 2019

**PRASAD V. POTLURI SIDDHARTHA
INSTITUTE OF TECHNOLOGY**

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Department of Computer Science & Engineering

The Department of Computer Science and Engineering was formed in the year 1999. The department has started B.Tech program with an initial intake of 40 in the year 1999 and 120 from 2007 onwards. The department has also started M.Tech program with an initial intake of 18 in the year 2006, and an increase in the intake to 36 in the year 2011. The department is accredited by NBA in the year 2007 for a period of 3 years and was reaccredited in the year 2012 for a period of 2 years. In 2016 for a period of 3 years department was accredited.

The department has 32 qualified teaching staff with 5 PhDs and 27 M.Techs. Our faculty members aim at delivering top class education blending their rich research experience with class room teaching. The entire faculty is involved in research activities and has published/presented papers in national and international journals and conferences.

The department has ACM student chapter and CSI student chapter. The department offers various certification training programs to students like APSSDC Mobile App Development Program to make the students well prepared to face the industry. The department has also established Intel FICE Lab to encourage students with new technologies.

Guest Lectures / Workshops / Co-curricular events organized by Department

1. The Department of CSE has organized 6-Days Training Program on **“Problem Solving Skills using C”** for I B.Tech Students in association with APSSDC at PVPSIT held on 07-01-2019 to 12-01-2019.



Fig1: Training Program on “Problem Solving Skills using C”

2. The Department of CSE has organized One day Student Seminar on **“Ensuring Quality of Large Software Projects”** for 2nd, 3rd and 4th year students by **Dr. V. S. R. Krishnaiah**, Ex. Deputy Director General, National Informatics Center(NIC) on 09-01-2019.



Fig 2: Seminar on “Ensuring Quality of Large Software Projects”

3. The ACM PVPSIT Student Chapter organized a 2-Day Student Training Program on **“Microsoft Azure Feature and its Applications”** by **Somayajulu Pola**, Microsoft India Ltd., Hyderabad in association with Department of Computer Science and Engineering on 04-01-2019 and 05-01-2019.



Fig 3: Training Program on “Microsoft Azure Feature and its Applications

4. The Department of CSE has organized a webinar in association with Red Hat Academy on **“Introduction to Open Source and Red Hat, RHCSA & RHCE”** on 12-02-2019 at 11:30AM for II B.Tech II Semester CSE students. 23 students attended the Webinar.
5. The Department of CSE has organized A Two Day Workshop on **“Block Chain Concepts and Implementation”** by Sridhar Vedanabhatla, United Health Group India Ltd., Hyderabad in association with PVPSIT CSI Student Chapter from 15-3-2019 to 16-3-2019.



Fig 4: A Two Day Workshop on “Block Chain Concepts”

Faculty Achievements

1. **Mrs. Ch. Ratna Jyothi** was awarded **Ph.D** from Krishna University, Machilipatnam.
2. **Mr. A. Vanamala Kumar** has received appreciation **award from NPTEL** for his instrumental role as SPOC for the SWAPYAM- NPTEL Local Chapter to achieve **“A Grade “based on performance in NPTEL Online Certification Courses in the period of Jul-Oct 2018.**



Fig 5: Award from Prof. Bhaskar Ramamurthy, , Director IIT Madras

3. **Ms.G. Lalitha Kumari and Ms.Y.Surekha** published patent for “ I-SWITCH: Intelligent Switch Using IR Receiver and IR Transmitter” with Application ID: 201921005023 on 8 -02-2019 at IPR Government of India.
4. **Dr. K. Koteswara Rao and Dr. A. Sudhir Babu** published the patent “ Method And Apparatus For Thread Migrating In Operating System” filed with application Number 201941006212 A at IPR Government of India.
5. **Dr. A. Sudhir Babu** acted as the Judge for the event Technical Paper Presentation ,Coding & Debugging for AFOSEC-2019 on 14-02-2019.
6. **Dr. A. Sudhir Babu and Dr. K. Koteswara Rao** acted as evaluators for the project "Design GPS applications based on NAVIC" The Integrated Technology (InTech) Olympiad 2019.
7. **Dr. A.Sudhir Babu** acted as the Panel Judge for Student Technical Event (NALEDGE“19) on the eve of GECFEST“19 at Gudlavalleru Engineering College, Gudlavalleru on 22-02-2019.
8. **Mr.A. Vanamala Kumar** has published a patent “P- material: Waste Plastic Convert into a Pipe, Tiles and other Materials” with application no: 201921009952 on 21st June 2019.
9. **Dr K. Koteswara Rao** designated as Advisory committee member for International Conference on Advancing Knowledge from Multidisciplinary Perspectives in Engineering & Technology (ICAKMPET-19) which is going to be conducted on 26th- 27th July, 2019 in Vybrant Hotel, Vijayawada. ICAKMPET-19 is being organized by Institute for Engineering Research and Publication (IFERP) (Scopus Indexing Conference).
10. **Dr. B. Janaki Ramaiah** has delivered a Keynote on “How to write a Scientific Paper” in the “Second International Conference on Soft Computing & Signal Processing” at Malla Reddy College of Engineering & Technology, Hyderabad on 22-6-2019.
11. **Dr. B. Janaki Ramaiah** has acted as the Session Chair for the “Second International Conference on Soft Computing & Signal Processing” at Malla Reddy College of Engineering & Technology, Hyderabad on 21-6-2019.
12. **Dr. S. Madhavi** has applied a project “Genetic based Long Distance communication for Wireless Quantum Sensor network using Quantum Entanglement “to SERB Core Research Grant for 44.5 Lakhs in May 2019.
13. **Mr. N.Venkata Ramana Gupta** has published a patent “Mobile Equipment and a modeling method using natural mating algorithm (NMA)” with application no: 201741046420 on 28-06-2019.
14. **Dr. K. Koteswara Rao** has got the membership for the International Association of Engineers (IAENG)(member no: 101901) and the following societies the IAENG Society of Artificial Intelligence, the IAENG Society of Computer Science, the IAENG Society of Information System Engineering, the IAENG Society of Software Engineering

Faculty Publications/ Conferences

1. **Dr. B. Janakiramaiah** has presented a paper entitled “Reducing Dimensionality of Data Using Autoencoders” in Third International Conference on Smart Computing and Informatics(SCI) on 21-12-2018 and 22-12-2018 at KIIT-Bhubaneswar (Scopus Indexed)
2. **Ms. D. Swapna and Mr. S. Phani Praveen** has presented a paper entitled “An Exploration of Distributed Access Control Mechanisms using Block Chain” in Third International Conference on Smart Computing and Informatics(SCI) on 21-12-2018 and 22-12-2018 at KIIT-Bhubaneswar (Scopus Indexed)
3. **Mr. K. Venkatesh and Mr. V. Rajesh** has presented a paper entitled “SQLLADP:A Novel Framework to Detect and Prevent SQL Injection Attacks” in Third International Conference on Smart Computing and Informatics(SCI) on 21-12-2018 and 22-12-2018 at KIIT-Bhubaneswar (Scopus Indexed)
4. **Dr. K. Koteswara Rao and Dr. A. Sudhir Babu** has presented a paper entitled “Healthcare using machine learning aspects” in DST Sponsored Second National Conference on Cyber Security, Image Processing, Graphics, Mobility & Analytics (NCCSIGMA-2K19) on 24-01-2019 and 25-01-2019 at CMR Technical Campus, Medchal, Hyderabad. (Scopus Indexed)
5. **Dr. K. Koteswara Rao, Dr. A. Sudhir Babu, Mr. P. Anil Kumar and Mr. Ch. Chandra Mohan** has presented a paper entitled “Software application test case generation with OBDM” in DST Sponsored Second National Conference on Cyber Security, Image Processing, Graphics, Mobility & Analytics (NCCSIGMA-2K19) on 24-01-2019 and 25-01-2019 at CMR Technical Campus, Medchal, Hyderabad. (Scopus Indexed)
6. **Dr. K.Koteswara Rao, Dr. A.Sudhir Babu, Ch. Chandra Mohan and P. Anil Kumar** presented a paper entitled "An Insight into Model Based Software Testing-Research Perspectives" in International Conference of Recent Advances in Computer Science and Engineering held at Acharya Nagarjuna University from 4-3-2019 to 5-3-2019.
7. **Ms.V.Siva Parvathi, Ms. M. Sailaja** has presented a paper on “Analysis of Machine Learning AdaBoost Based Classifier” in International Conference on Science, Technology and Management organized by Department of Computer Science, SDMS Mahila Kalasala, Vijayawada on 30-3-2019.
8. **Mr.A.Vanamala Kumar, Ms.Y. Surekha** has presented a paper on “ Machine Learning Based AdBoost Algorithms “ in International Conference on Science, Technology and Management organized by Department of Computer Science, SDMS Mahila Kalasala, Vijayawada on 30-3-2019.
9. **Mr.B.N. Swamy, Mr.M. Ram Gopal** has presented a paper on “Image Forgery Detection by Using Machine Learning” in International Conference on Science, Technology and Management organized by Department of Computer Science, SDMS Mahila Kalasala, Vijayawada on 30-3-2019.

10. **Dr. B. Janaki Ramaiah** published a paper entitled “Design analysis of Mobile Cloud Risk architecture for Banking system”, Caribbean Journal of Science, ISSN: 0008-6452, Mar-2019.[Indexed in SCI/Scopus].
11. **Dr. B. Janaki Ramaiah**, published a paper entitled „Automatic Alert Generation in a Surveillance Systems for Smart City Environment using Deep Learning Algorithm” International Journal of Knowledge-Based and Intelligent Engineering Systems, ISSN:1327-2314, 2019. [Indexed in Scopus].
12. **Mr.K. Vijay Kumar** has published a paper “An Enhanced and Reliable Encrypted Cloud Storage Supporting Reduplication in Parallel Distribution Systems” in International Journal of Research(IJR) in June 2019 with ISSN:2348-6848.
13. **Mr.B.N.Swamy and Mr.M.Ram Gopal** has published a paper entitled “ Image Forgery Detection by Using Machine Learning”, in International Journal of Advanced Science and Technology, Vol-127, June-2019 with ISSN:2207-6360
14. **Ms.J.Ramadevi** has published a paper entitled “Evaluation of Enhanced Subspace Clustering Validity Using Silhouette Coefficient Internal Measure”, in Journal of Advanced Research in Dynamical and Control Systems, Vol-11, Issue-1, January-2019 with ISSN: 1943-023X(Scopus)
15. **Ms.Ch.RatnaJyothi**, has published a paper entitled “Partially Occluded Face Recognition System Based on Fuzzy Image Segmentation Approach”, in International Journal of Computer Science and Engineering, Vol-2, Issue-1, January-2019 with ISSN: 2347-2693
16. **Mr.S.Phani Praveen and Mr.K.Venkatesh** has published a paper entitled “A Robust method for finding somatic mutations to form clusters” in International Journal of Engineering and Advanced Technology, Vol-8,Issue-4, ISSN:2249-8958, April 2019.(Scopus)
17. **Ms.M.Sailaja and Ms.V.Siva Parvathi** has published a paper entitled “ Analysis of Machine Learning Adaboost Based Classifier”, in International Journal of Recent Technology and Engineering (IJRTE), Vol-7, Issue-6S5, April-2019 with ISSN:2277-3878(Scopus)
18. **Ms.Y. Surekha , Mr.A. Vanamala Kumar** has published a paper entitled “Machine Learning Based Adboost Algorithms” in International Journal of Recent Technology and Engineering (IJRTE), Vol-7, Issue-6S5, April-2019 with ISSN:2277-3878(Scopus)
19. **Ms.B. Lakshmi Ramani** has published a paper entitled “ Open CV Algorithms for Facial Recognition” in International Journal of Innovative Technology and Exploring Engineering(IJITEE), Vol-8, ISSN – 2278 3075, in June 2019(Scopus)

Workshops/Faculty Development Programs attended by the faculty

1. Mr. K. Vijay Kumar, Mr. N.V. Ramana Gupta, Mr. A. Vanamala Kumar, Mr. D. Lokesh Sai Kumar, Dr. S. Madhavi, Ms. A. Ramana Lakshmi, Ms. B. L. Ramani, Ms. D. Sree Lakshmi, Ms. T. Sri Lakshmi, Ms. A. Divya received certificates from NITTTR Kolkata on account of a Short Term Training Program through ICT mode on “**Introduction to Network Security**” held from 03-12-2018 to 07-12-2018.
2. Mr. A. Vanamala Kumar attended a workshop on “**Effective Mentoring in NPTEL Online Courses**” on 18-01-2019 at IIT Madras.

3. Mr. A. Vanamala Kumar attended one day **SPOC workshop** on 19-01-2019 at IC & SR by IIT Madras.
4. Dr. B.Janakiramaiah, Attended **Two days R & D Show Case -2019**, Conducted by IIIT-Hyderabad, during 23-2-2019 and 24-02-2019.
5. Mr. A. Vanamala Kumar attended a Workshop on “**Artificial Intelligence and Deep Learning**” at VR Siddhartha Engineering College, Vijayawada from 26-01-2019 to 28-01-2019.
6. Dr. S. Madhavi has participated in Two Day National Conference on “**Innovative Mechanisms & Standards for Assuring Quality in Higher Education Institutions-AIQHEI’2019**” organized by Koneru Lakshmaiah Educational Foundation from 22-3-2019 to 23-3-2019.
7. Mr. I.M.V. Krishna has attended One Week FDP on “ **Machine Learning for Applications in Language, Vision and Control**” organized by E & ICT Academy NIT Warangal at NIT Andhra Pradesh from 25-3-2019 to 30-3-2019.
8. Ms.G. Lalitha Kumari has participated in International Conference on Science, Technology and Management organized by Department of Computer Science, SDMS Mahila Kalasala, Vijayawada on 30-3-2019.
9. Dr. S. Madhavi, Ms.A. Ramana Lakshmi, Ms.J. Rama Devi, Ms.D. Sree Lakshmi, Ms.T. Sri Lakshmi, Ms.A. Madhuri, Ms.A. Divya, Ms.B. Lakshmi Ramani, Mr.D. Lokesh Sai Kumar, Mr.A. Yuva Krishna, Mr.B. Vishnu Vardhan have attended One Week FDP on “**NBA Accreditation (ICT01)**” organized in Association with National Mission on Education through ICT, NITTR- Kolkata through ICT mode from 22-4-2019 to 26-4-2019.
10. Ms.D.Swapna, Mr.S. Phani Praveen has attended One Week FDP on “**Artificial Intelligence, machine Learning and Block Chain Technology in Production and Supply Chain**” organized by NITW, Warangal from 25-4-2019 to 30-4-2019.
11. Ms.A.Divya has attended two day national workshop on “ **Interdisciplinary Translational Research in Pursuit of Better Healthcare**” organized by Pinnamaneni Siddhartha Institute of Medical Sciences & Research Foundation, Vijayawada from 24-4-2019 to 25-4-2019.
12. Mr. IMV Krishna has attended Three Day FDP on “**Modern Pedagogical Techniques and Creative Problem solving**” organized by IQAC, VR Siddhartha Engineering College, Vijayawada from 15-4-2019 to 17-4-2019.
13. Mr.IMV Krishna, Mr.K. Vijay Kumar, Ms.M. Sailaja, Mr.A.Yuva Krishna, Mr.K. Venkatesh has participated in the One week FDP “ **Deep Learning and its Applications**” organized by E & ICT Academy, NITW, at Dept. of IT, PVPSIT from 24th -29th June 2019.
14. Ms.G. Lalitha Kumari, Ms.V. Siva Parvathi, Ms. M. Sailaja, Ms.Y. Surekha, Mr.A. Vanamala Kumar has participated in One week FDP on “ **Machine Learning Techniques for Image Processing and Computer Vision**” organized by E & ICT Academy, Dept. of CSE, NITW, Warangal from 6th – 11th May 2019.
15. Mr.K.Venkatesh and Mr.V.Rajesh has participated in One week FDP on “**Big Data Computing**” organized by E & ICT Academy, NITW, at NITAP from 29th April 2019 – 4th May 2019.

16. Ms.V. Siva Parvathi, Ms.M. Sailaja has participated in International Conference on “ Engineering, Technology, Pharmacy and Management ICETPM-2019” organized by Malineni Perumallu Educational Society’s Group of Institutions, Pulladigunta, Guntur in May-2019.

Student Achievements

1. A Anrudh, N Karthik, P Devipriya were qualified for CAT exam.
2. 7 students were qualified in GRE examination.
3. 13 students secured score 6 in IELTS examination

Internships

1. A. Anuhya worked as an intern for Chat Bot Engine project in EP-Soft Solutions Pvt. Ltd., L&T Hi-Tech City, Vijayawada from 27-01-19 to 28-02-19.
2. K. Naveen Chakravarthy doing his internship in Ramson Techlabs from 1-01-2019 to till date.
3. 9 students completed internship in Augmented Reality at SYSKY FOSKY (Y-Square) from 07-12-18 to 23-01-19.
4. J. Sai Madhav worked as an intern in APEITA, Fintech Govt. of AP, Andhra Pradesh Electronics & IT Agency from 05-12-18 to 28-01-19.
5. K. Srivatsava doing his internship Gnana Analytics Pvt. Ltd., from 3-12-2018 to till date.
6. B. Haranadh and T. Rishi Chandra doing internship in Value Labs Pvt. Ltd., from 3-12-2018 to till date.
7. 18 students completed internship in Game Development and Design using Unity in Maya from 27-11-2018 to 27-01-19.
8. 13 students completed internship in Innogeeks Technologies from 19-11-2018 to till date
9. P. Apoorva of IV Year has completed her Internship on “Study of It Network & Design of Related Software” at Airports Authority of India, Vijayawada Airport, Vijayawada from 17- 05-2019 To 31-05-2019.
10. B. Sai Teja has completed his internship on “Online Event Planning System” at Wright Tech Software Solutions pvt Ltd. NRP Road, Gandhi Nagar, Vijayawada from 01-05-2019 To 03- 06-2019.

Students' Participation

a) Student Participation in Technical Events/Awards

1. Ms.M. Navya and Ms.Ch. Tejaswini has received Prathibha awards, Merit certificates and Medals from JNTU Kakinada



Fig 6: Merit award for Ms.M. Navya from JNTUK



Fig 7: Merit award for Ms.Ch.Tejaswini from JNTUK

2 SAGTE Merit Scholarships :

- a. 8 students of II B.Tech have received merit Scholarship.
- b. 8 students of III B.Tech have received merit Scholarship.
- c. One student of IV B.Tech has received merit Scholarship.
3. Mr. Ch.Vivek, Ms. M. Blessy Pratyusha and Ms. N. Pujitha Veni has participated as volunteers in the three day children fest, **Amaravati Balotsavam** organized by Krishnaveni Talent School, Vijayawada from 02-01-2019 to 04-01-2019.
4. Ms. V. Hima Varshini and Ms. K. Indu has participated in **Mock Parliament** organized by Montosorri Mahila Kalasala in association with Muncipal Corporation Hall from 7-01-2019 to 8-01--2019.
5. 12 students have participated as student Volunteers in village and household survey on **“identifying development Challenges and evolving appropriate solutions for accelerating sustainable growth”** organized at Prodduturu and Akunuru villages 08-01-2019.
6. Mr. R. Sumanth and Mr. M. Yaswanth participated in **Young Army** at KLUUniversity on 09-01-2019.
7. 19 students have participated and donated blood in the **blood donation camp** organized by NSS Unit in association with Lions Club Blood Bank, Vijayawada on 10-01-2019.
8. Ms. B. Mahija has participated in the **Cyent-online written test (on line assessment)** Tirupathi ,S,V.College of engineering, from 10-01-2019 to 11-01-2019.
9. Mr. K. Sri Syam Saran, Ms. K. Vijaya Lakshmi and Ms.Ch. Anitha of III B.Tech students were selected in **JNTUK Yoga team** for participating in APCM cup Inter-University yoga (Men/Women) tournament 2018-19, organized by Rajiv Gandhi University of knowledge Technologies, Nuzivid from 26-01-2019 to 28-01-2019.
10. Mr. D. Yaswanth Reddy participated in **“Speed Inline skating and Quad Roller Hockey”** organized by JNTUK Roller Sports (Men and Women) teams in the part of All India Inter – University Roller sports in association with Maharshi Dayanand University, Rohtak from 28-01-2019 to 31-01-2019.
11. Mr .M. Yeswanth Reddy has attended **“Launch Pad “ Start-Up event** at BITSPILANI, Hyderabad on 07-02-2019

12. Ms. A Sreelekha and Ms. J Rose Mary has got selected for final round and presented the project and got certificate of successful completion on 16-02-2019 at University college of engineering Pune for the project "Design GPS applications based on NAVIC" The Integrated Technology (InTech) Olympiad 2019.
13. Ms. R.Harika has secured 1st Prize in "Crazy Coding" at AFOSEC 2019 organized by VRSEC from 14-02-2019 and 15-02-2019.
14. Ms. V. Gnana Sireesha has secured 1st Prize in "Brain Freezer" at AFOSEC 2019 organised by VRSEC from 14-02-2019 and 15-02-2019.
15. Ms. T. Alekha has secured 2nd Prize in "Web Designing" at AFOSEC 2019 organized by VRSEC from 14-02-2019 and 15-02-2019.
16. Ms. K. Vijaya Lakshmi has secured 2nd Prize in "Web Designing" at AFOSEC 2019 organised by VRSEC from 14-02-2019 and 15-02-2019.
17. Ms K. Vijaya Lakshmi has secured 2nd Prize in "Code Warz" at AFOSEC 2019 organized by VRSEC from 14-02-2019 and 15-02-2019.
18. Ms. R.Harika has secured 2nd Prize in "Code Warz" at AFOSEC 2019 organized by VRSEC from 14-02-2019 and 15-02-2019.
19. Ms. R.Harika has secured 2nd Prize in "Web Designing" at AFOSEC 2019 organized by VRSEC from 14-02-2019 and 15-02-2019.
20. Ms. B. Sri Chandini has secured 3rd prize in "Techxplicate" at AFOSEC 2019 organized by VRSEC from 14-02-2019 and 15-02-2019.
21. Ms. K. Harshitha has secured 3rd prize in "Techxplicate" at AFOSEC 2019 organized by VRSEC from 14-02-2019 and 15-02-2019.
22. Mr. K. David has secured 3rd prize in "Technical Quiz" at AFOSEC 2019 organized by VRSEC from 14-02-2019 and 15-02-2019.
23. Mr. K. Karthik has secured 3rd prize in "Technical Quiz" at AFOSEC 2019 organized by VRSEC on 14-02-2019 and 15-02-2019.
24. Ms. K. Akshata Naga Sri Alekya has secured III Prize in "Paper Presentation" at AFOSEC 2019 organized by VRSEC from 14-02-2019 and 15-02-2019.
25. Ms. A.Chandana Priya has secured III Prize in "Brain Freezer" at AFOSEC 2019 organized by VRSEC from 14-02-2019 and 15-02-2019.
26. Ms. P.Sai Monika has secured III Prize in "Paper Presentation" at SITAR-2K19 organized by PVP Siddhartha Institute of Technology on 08-02-2019.
27. Ms. N. Bharathi Ratna has participated in "Technical Quiz" at GECFEST'19 organized by Gudlalleru Engineering College from 21-02-2019 to 23-02-2019.
28. 7 students of II CSE participated in "Blind Coding" at Explorer's Meet 2k19, SRK Institute of Technology from 15-02-2019 and 16-02-2019.

29. Ms. Farhana Kausar and Mr. K. David participated in “Technical Quiz” at Explorers” Meet-2k19, SRK Institute of Technology from 15-02-2019 and 16-02-2019.
30. Mr.K. Venkat participated in “TechnicalQuiz” at Explorers” Meet-2k19, SRK Institute of Technology from 15-02-2019 and 16-02-2019.
31. Ms.M.Blessy Prathyusha and Mr. N.Sai Charan participated in “Technical Quiz” at AFOSEC 2019 organized by VRSEC from 14-02-2019 and 15-02-2019.
32. 6 students of CSE participated in “Crazy Coding” at AFOSEC 2019 organized by VRSEC from 14-02-2019 and 15-02-2019.
33. 10 Students of CSE participated in “Web Designing” at AFOSEC 2019 organized by VRSEC from 14-02-2019 and 15-02-2019.
34. 8 Students of CSE participated in “Brain Freezer” at AFOSEC 2019 organized by VRSEC from 14-02-2019 and 15-02-2019.
35. 11 Students of CSE has participated in “Code Warz” at AFOSEC 2019 organised by VRSEC from 14-02-2019 and 15-02-2019.
36. G. Chandra Teja (16501A0531) of IV Year has completed his training program in “Machine Learning” at Cyberaegis IT Solutions pvt.Ltd., Hyderabad from 29th April- 29th May 2019

Department Activities:

1. Dr. A. Jayalakshmi has joined as the head of the department on 22.4.2019.
2. Alumni Chennai Local Chapter Meet 2K19:
PVPSIT Initiated Alumni Chennai Local Chapter Meet on 28.4.2019. Alumni from different MNCS took active participation. Total 33 alumni from Department of Computer Science and Engineering took participation and gave valuable suggestions, for course curriculum improvements.



Fig 8. : Alumni Chennai Local Chapter Meet 2K19

3. The Department of CSE has initiated **Semester Readiness Program (SRP)** from 17th June 2019 for faculty which helps professional development, faculty/peer mentoring and new faculty orientation.



Fig.9: Presentation by Mr P Anil Kumar & Mr K Vijay Kumar as a part of Semester Readiness Program



Fig.10: Presentation by Ms M Sailaja as a part of Semester Readiness Program

4. The Department of CSE is organizing “**Coding Skills Enhancement Program**” from 17th June- 2019 for II, III Year students to improve Programming Development Skills.

5. B. Swathi, Alumni of 2017 has addressed the final year students regarding “**How to prepare for Campus Placements**” on 25-6-2019.



Fig.11: Alumni B.Swathi addressing final year students

BLOCK CHAIN

INTRODUCTION TO BLOCKCHAIN:

“**Block chain**”, the record-keeping technology behind bit coin, is a distributed, decentralized, public ledger.

Digital information (the “block”) is stored in a public database (the “chain”).

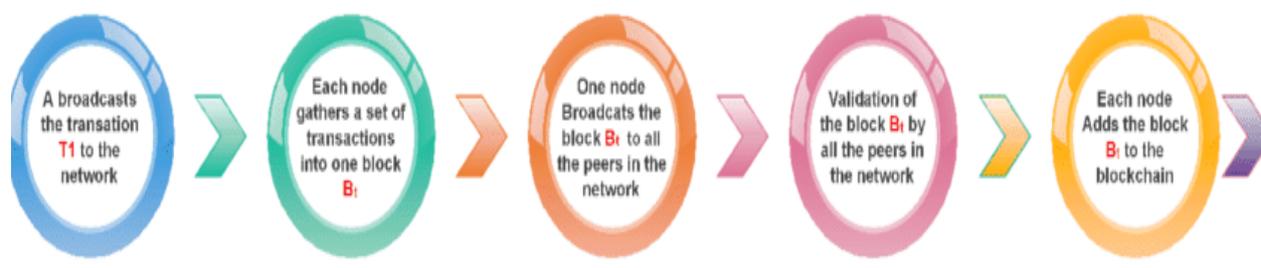
“**Blocks**” have three parts:

1. Blocks store information about transactions.
2. Blocks store information about who is participating in transactions. Instead of using your actual name, your purchase is recorded using a unique “**digital signature**”.
3. Blocks store information that distinguishes them from other blocks. Each block stores a unique code called a “**hash**” that allows us to tell it apart from every other block.



How Block chain Works

In order for a block to be added to the block chain, however, four things must happen:



1. A transaction must occur.
2. That transaction must be verified. With block chain, that job is left up to a network of computers. These networks often consist of thousands computers spread across the globe.
3. That transaction must be stored in a block. The transaction’s dollar amount, your digital signature, is all stored in a block. (There can be thousands of blocks).
4. That block must be given a **hash**, a unique, identifying code. The block is also given the hash of the most recent block added to the block chain. Once hashed, the block can be added to the block chain.

Each computer in the block chain network has its own copy of the block chain, which means that there are thousands, or in the case of Bit coin, millions of copies of the same block chain. Although each copy of the block chain is identical, a hacker would need to manipulate every copy of the block chain on the network.

Is Block chain Secure?

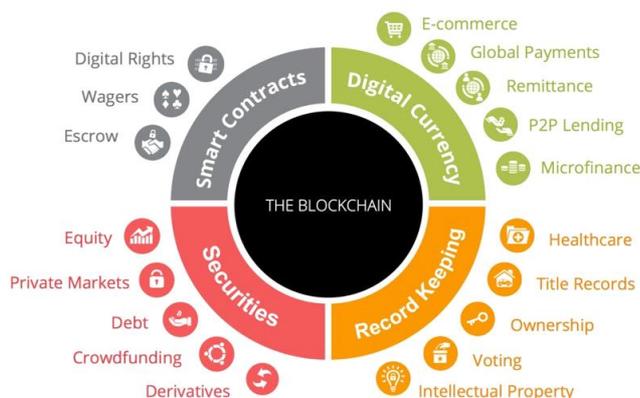
They are always added to the “end” of the block chain.

After a block has been added to the end of the block chain, it is very difficult to go back and alter the contents of the block, because each block contains its own hash, along with the hash of the block before it.

In order to change a single block, then, a hacker would need to change every single block after it on the block chain.

To address the issue of trust, block chain networks have implemented tests for computers that want to join and add blocks to the chain, called “**consensus models**”, whose odds of being solved are about 1 in 5.8 Trillion!!!!

Why BLOCKCHAIN?



-By K.David Vineel Raj