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SREE VIDYANIKETHAN ENGINEERING COLLEGE
(AUTONOMOUS)

Sree Sainath Nagar, A. Rangampet - 517 102

Department of Information Technology

A Creed on Technology

e-News letter - Issue I

Department Profile:

The Department currently offers undergraduate program B. Tech in Information Technology. The present intake is 120. We provide state of the art facilities both in the classrooms as well as in the laboratories. The department has a team of well qualified, experienced and committed staff members. It provides an atmosphere conductive for acquiring knowledge and emphasizes on practical learning. The department motivates both cultural and physical activities.

Mossage from the HOD:

I am happy to share the developments being made to project the activities of the students thought this newsletter wherein it explores the information on the student support, mentoring, tutoring, study skills, workshops and career developments activities in the Department. I would like to congratulate all members of the editorial board for their sincere effort to release this new edition of venture. I earnestly wish and sincerely hope that the new publication turns out to be a resounding success.



- To become a nationally recognized quality education center in the domain of Computer Science and Information Technology through teaching, training, learning, research and consultancy.

  MISSION

  4. The Department offers undergraduate program in Information Technology and Post graduate program in Software Engineering to produce high quality information technologists and software engineers by disseminating knowledge through contemporary curriculum, competent faculty and adopting effective teaching-learning methodologies.

  4. Igniting passion among students for research and innovation by exposing them to real time systems and problems

  4. Developing technical and life skills in diverse community of students with modern training methods to solve problems in Software Industry.

  4. Inculcating values to practice engineering in adherence to code of ethics in multicultural and multi discipline teams.

  Program Educational Objectives:

  PEO1. Enrolled or completed higher education in the core or allied areas of Computer Science and Information Technology or management.

  PEO2. Successful entrepreneurial or technical career in the core or allied areas of Computer Science and Information Technology.

  PEO3. Continued to learn and to adapt to the world of constantly evolving technologies in the core or allied areas of Computer Science and Information Technology.

  Program Specific Outcomes:

  On successful completion of the program, the graduates of B. Tech (IT) program will be able to:

- PSO1. Data Management: Design and develop database systems, apply data analytics techniques, and use advanced databases for data storage, processing and retrieval.

  PSO2. Information Security: Apply network security techniques and tools for the development of highly secure systems.

  PSO3. Application Development: Analyze, design and develop efficient algorithms and software applications to deploy in secure environment to support contemporary services using programming languages, tools and technologies.

  PSO4. Intelligent Systems: Apply concepts of computer vision and artificial intelligent for the development of efficient intelligent systems and applications.

  Achievements:

  4 Dr. K. Ramani, Professor, Published Book Chapter, Positioning Improvement of Sensors in Wireless Sensor Networks, Soft Computing in Wireless Sensor Networks, CRC Press

  4 Dr. K. Ramani, Professor, Published Book Chapter, Neighborhood Algorithm for Product Recommendation, Computational Intelligence and Big Data Analytics pp 37-53

  4 Dr. M. Naresh Babu, Published Book Chapter, Internet of Things and Personalized Healthcare Systems, A Computational Approach to Predict Diabetic Retinopathy Through Data Analytics.

  4 Dr. M. Naresh Babu, Published Book Chapter Cognitive State Classifiers for Identifying Brain Activities, Computational Intelligence and Big Data Analytics. Springer Briefs in Applied Sciences and Technology.

  4 Ms. Ch. Prathima, Asst. Professor, Published Book Chapter, Data Mining Efficiency and Scalability for Smarter Internet of Things', Computational Intelligence and Big Data Analytics. Springer Briefs in Applied Sciences and Technology.

  4 Ms. Ch. Prathima, Asst. Professor, Published Book Chapter, Data Mining Efficiency and Scalability for Smarter Internet of Things', Computational Intelligence and Big Data Analytics. Springer Briefs in Applied Sciences and Technology.

  4 Ms. Ch. Prathima, Asst. Professor, Published Book Chapter, Data Mining Efficiency and Scalability for Smarter Internet of Things', Computational Intelligence

- Published in Journals

  Dr. K. Ramani, presented paper on An Experimental Comparative Study on Slide Change Detection in Lecture Videos", International Journal of Information Technology, Vol. No: 2(1) and Page nos:1-8, July 2018.

  Dr. K. Ramani, presented paper on Energy aware multi objective genetic algorithm for task scheduling in cloud computing", International Journal of Internet Protocol Technology, Vol. No: 11(4), September 2018.

  Dr. K. Ramani, presented paper on A Novel Multistite Product Ranking Model for Real time E-Commerce Applications", Journal of Advanced Research in Dynamical and Control Systems, Vol. No: 10(10) and Page nos: 288-309, October 2018.

  Dr. K. Ramani, presented paper on Simulation of IoT Applications using Proteus", International Journal of Engineering and Techniques, Volume 4, Issue 4, July Aug 2018, ISSN: 2395-1303.

  Dr.L.V.Reddy , presented paper on "A systematic approach to reduce the load energy consumption in cloud mining", International Journal of Applied Engineering Research, Vol. No: 13(7). August 2018.

  Dr.L.V.Reddy , presented paper on An Efficient Way for Scrutinizing the Job Seekers Data to Select a Right Candidate", International Journal of Scientific Research in Computer Science, Engineering and Information Technology, Vol. No: 3(6) and Page nos: 329-335, ISSN: 2456-3307.

  Dr.L.V.Reddy , presented paper on An Efficient Way for Scrutinizing the Job Seekers Data to Select a Right Candidate, Volume 3 | Issue 6 and Page nos: 329-335 ISSN: 2456-3307.

  Dr.L.V.Reddy , presented paper on "Subspace Clustering Based Class Level Cloud Fault Prediction", Journal of Advanced Research in Dynamical and Control Systems, Vol. No: 10(12) and Page nos: 1735-1743, October 2018.

  Dr. K. Khaja Baseer Online Speaker Recognition in Robust Speech Coder using Phonemic Distance Measurements for Security in the Military Net-centric Communications", International Journal of Pure and Applied Mathematics, Vol. No: 120(6) and Page nos: 3747-3762, July 2018.

  Mr. V. Lokanadha Naidu, presented paper o

- Dr. O. Obulesu presented paper on Energy Saving using Green Computing Approach for Internet of Thing (IoT) based Tiny Level Computational Devices", Recent Patents on Computer Science, Vol.No: 12(4), December 2018.
   Mr. Ch. Sreenu Babu , Mr. M. Mahendra , Ms. Ch. Prathima presented paper on Frequent Itemset Mining in Large Databases by using Artificial Bec Colony(ABC). Algorithm", International Journal of Management, Technology and Engineering, Vol. No: 8(10) and Page nos: 2525-2531, October 2018.
   Published in Conferences:

   Dr. K. Ramani, presented paper on "Enhanced Speech Recognition with Audio Processing using Adobe Audition" presented at National Women's Conference on Technological Innovations (NWCOTT-2018), Kl. Deemed to be University, Vaddeswaram during 28th-19th December 2018.
   Dr.L.V.Reddy, presented paper on Efficient Spatial Database Keyword Query Search", presented at 5th International Conference on Cognitive Science and Artificial Intelligence(ICCSAI '18), Institute of Bioinformatics and Computational Biology(IBCB), Visakhapatnam during 28th 29th December 2018.
   Ms. V. Jyothsna, Jm Bhasha and Mr. Mahendra M presented paper on"A Two Level Intrusion Detection System Using Bio-Inspired Approach & Meta-heuristic Scale", presented at SocProS 2018, School of Electrical Engineering, Vellore Institute of Technology, Vellore during 17th-19th December 2018.
   Ms. V. Jyothsna presented paper on A flow based Network Intrusion Detection System for High Speed Networks using Meta-Heuristic Scale, 3" International Conference on Information and Communication Technology for Sustainable Development with ICT Awards the Excellencia(ICT4SD 2018), Hotel Vivanta Taj, GOA, India during 30-31st August 2018.
   Ms. Ch. Prathima, presented paper on De-duplication of Big Data in Cloud Storage, National Women's Conference on Technological Innovations (NWCOTI-2018), Kl. Deemed to be Unive













- Workshops/Conference /FDP Attended

  4 Dr. K. K. Baseer and Mr. A. Ramprakash Reddy attended One day Workshop on IoTs: Hands-on Tutorial & Deep Learning with Tensor flow on Google Cloud platform, Research Expo, ITT Sri City, Chittoor, 06.10.2018.

  4 Dr. K. K. Baseer attended One Week FDP on Data Analytics-ABoot Camp with Hands on using Python, SSN college of Engineering, from 26-11-2018 to 30-11-2018.

  4 Dr. K. K. Baseer attended Two Day Hands on workshop on IoT and Drones by Leadingindia.ai, Bennett University, Great Noida, India, SVEC, Tirupati, 28-12-2018 to 29-12-2018.

  4 Dr. O. Obulesu attended 3D Printing and Scanning Multi disciplinary Applications & Research Perspectives at SVEC, Tirupati from 26-11-2018 To 27-11-2018

  4 Ms. Ch. Prathima and Ms. B. Sangamithra attended One week FDP on Machine Learning and Deep Learning, SVCET, Tirupati from 12-11-2018 to 17.11.2018.

  4 Ms. V. Jyothsna and Ms. E. Sandhya attended Two Day workshop on "Leadership Challenges for Professional Women, SVCET, Tirupati 16-11-2018 to 17.11.2018.

  4 Mr. G. Uma Mahesh attended faculty training program on CCNA (Module 1 and 2) conducted by Cisco Networking Academy and State Board of Technical Education and Training (SBTET) Govt. Polytechnic, Vijayawada from 19-11-2018 to 28-11-2018.

  4 Mr. G. M. Chanakya, Ms. C. Silpa and Ms. K. Lakshmi Prasanna attend One Week Hand-on Workshop on Big Data Analytics &Start-Ups, SVMVVT, Tirupati from 01-12-2018 to 07-12-2018.

  4 Mf. Ch. Sreenu Babu, attended Two Week FDP on Entrepreneurship Development, Ni-msme, Hyderabad, from 03.12.2018 to 03.12.2018.

  5 Dr. K. Ramani, Dr. K. K. Baseer and Ms. B. Sangamithra attended Three Day FDP on Object Detection Askeognition Using Deep Learning Techniques Sree Vidyanikethan Engineering College, Tirupati, 20-12-2018 to 22-12-2018.

  5 Dr. K. Ramani, Dr. K. K. Baseer and Ms. B. Sangamithra attended Three Day FDP on Object Detection Askeognition Using Deep Learning Techniques Sree Vidyanikethan Engineering College, Tirupati, 20-12-2018 to 22-12-2018.

  5 Dr. K. Ra

- Dr. M. Naresh Babu, Ms. Ch. Prathima Successfully completed online Certification on "Convolutional Neural Networks authorized by Stanford University", by, Coursera 11-09-2018
   Mr. V. S. V. S. S. S. M. Chakradhar, Successfully completed online Certification on "Blockchain Essentials, an online course on "cognitive class", by, Cognitive Class. ai, 22-11-2018
   Mr. V. S. V. S. S. S. M. Chakradhar, Successfully completed online Certification on "CS213.X: Algorithms", IIT BombayX, 13-03-2018 To 18-12-2018.
   Mr. Ch. Sreenu Babu Successfully completed a online Certification on "Machine Learning for Data Science and Analytics", by, ColumbiaX, 27-10-2018
   Ms. K. Lakshmi prasanna, Mr. A.Ramprakash Reddy, Mr. M. Mahendra Successfully completed online Certification on "Programming in C", NPTEL, Aug-Oct 2018.
   Ms. V. Jyothsna, Mr. P. Bhasha, Ms. E. Sandhya Successfully completed online Certification on "Computer Networks and Internet protocol", NPTEL, Aug-Oct 2018.
   Organized Guest Lectures on "Inducement Talks" for I B.Tech (IT) students on 06-11-2018.
   Organized Guest Lecture on "Personality Development-SWOT Analysis" for I B.Tech (IT) students on 05-11-2018.
   Organized Guest Lecture on "Personality Development (Growth Mindset & Time Management)" for II and IV B.Tech (IT) students on 11-09-2018.
   Organized Guest Lecture on "Gender Equity" for II and IV B.Tech (IT) students on 11-09-2018.
   Organized Guest Lecture on "Motivation for Higher Studies" for IV B.Tech (IT) students on 05-07-2018.
   ICT Tools:
   ICT tool can be any educational tool like Moodle Cloud, Canvas, Google Classroom, etc
   Creation of course with Pre-requisite, course description, objectives, outcomes and syllabus.
   Students course registration.
   Announcements about course activities schedule.

- 4. Conduction of Diagnostic Test and Formative Tests with different form of questions such as multiple choices, Fill in the blanks, True/False, Short and Essay answers, Missing words, Match the following, etc.
  www.kkbaseer.moodlecloud.com www.vjyothsna.moodulecloud.com www.vjyothsna.moodulecloud.com www.ryothsna.moodulecloud.com www.rswecit28.moodules.com computernetwork.moodulecloud.com www.svecit44wt.moodlecloud.com www.silpa.moodlescloud.com www.svecit44wt.moodlecloud.com www.silpa.moodlescloud.com
  K Srirama Koushik (16121A1246), V Spandana (16121A12A9), Y Vamsi Krishna (16121A12B8) attended Entrepreneurship Workshop on Venture Development: Ready Statge at V R Siddhartha Engineering College, Vijayawada on July 03, 2018.
  A Rishitha(16121A1226), K Yaseswini(16121A1239), J Deekshitha (16121A1233), K Yaseswini(16121A1256), K Yaseswini(16121A1239), Manjesh(16121A1263), Sail Narasimha(16121A1256), V Harshavardhan(16121A1293) attended Indian Cyber Congress (INCYCON), SVEC, Tirupati on September 29, 2018.
  Chunduri Pooja Manaswini (16121A127), Dornipadu Akhila Vidya Sriya (16121A1291), Galjala Pavan Kumra Reddy (16121A1224), Catti Pradeep (16121A1230), K Mounika Raj (16121A1242), Kadambari Srirama Koushik (16121A1293) and Talari Madhu (16121A1293), Nallagatia Veeranjaneyulu (16121A1270), Palamani Ruchitha (16121A1298) attended Research Expo, IIIT, Sricity, Chittoor on October 06, 2018.
  Ravina Ketini (16121A1250), Spandana Vangara, Palamani Ruchitha, Y. Vamsi Krishna
  Ravina Ketini (16121A1250), Spandana Vangara, Palamani Ruchitha, Y. Vamsi Krishna
  Ravina Ketini (16121A1250), Spandana Vangara, Palamani Ruchitha, Y. Vamsi Krishna
  Mr. P. Srinivasa Reddi, Assocoate Professor, Department of IT, delivered Technical Talk on "Learning Management System through Moodle" on 23.08.2018.
  Mr. A. Ramprakash, Assistant Professor, Department of IT, delivered Technical Talk on "Foolia Tala Madhus, Assistant Professor, Department of IT, delivered T

Placements:			
S. No.	Name of the Company	ΙΤ	Salary (Rs. In Lakhs)
1.	Technovert, Hyderabad	1	4.00-6.00
2.	West Pharmaceutical Services, Bangalore	1	6.07
3.	Mobis Technical Center of India (Hyundai Motor Group), Hyderabad	1	4.50
4.	Infosys Ltd., Chennai (Through HackWithInfy / InfyTq - 2019)	1	5.00
5.	Infosys Ltd., Chennai (Through HackWithInfy / InfyTq - 2019)	4	3.60
6.	Bank of New York Mellon, Pune (Internship)	6	8.00
7.	WIPRO LTD., Hyderabad	29	3.50
8.	Edupolis (U nschool), Hyderabad (CoCubes)	3	5.00
9.	Cognizant Technology Solutions, Hyderabad	40	4.00
10.	Infosys Ltd., Hyderabad	37	3.60
11.	Edupolis (Unschool.in), Hyderabad	1	5.00
12.	Tata Consultancy Services, Hyderabad (Ninja Hiring)	27	3.36
	TOTAL	151	
	Tata Consultancy Services, Hyderabad (Ninja Hiring)  TOTAL		





ARTICLES:

Welcome to the Age of AI </2020>

AI is basically an emulation of us. AI can give us that answer that we've been seeking all along. Are we alone? Each time with powerful technology there is a bigger lever for changing the world. Artificial Intelligence can help us to feed the world population. "AI is teaching the machine and the machine becoming smart". All out there are of sci-fi magic, and now just science. This is insane. We are at the dawn of a new age The Age of AI.

How Far is Too Far?

Can AI. make music? Can it feel excitement and fear?

How far is too far, and how much further can we go?

Identically it took roughly 10,000 years to go from writing to the printing press, but only about 500 more to get to the email.

Now it seems we're at the dawn of a new age, The Age of AI.

Demystify some common misconceptions about things we thought, understood, but probably don't, terms such as "machine learning" "algorithms", "computer vision" and "big Data", they will be conveniently unpacked to help us feel like we know what we're doing. It's an extraordinary time, one of unprecedented change and possibility. To know what's happening, there is a need to look at innovators pushing the boundaries of AI. and how their groundbreaking work is profoundly impacting our lives and the world around us. There are innovators with different visionaries exploring identity, creativity, and "A collaboration between humans and machines".





Healed through A.I.

The human body is not infallible, but through the wonders of A.I. research scientists are finding ways to address those imperfections. A.I. has the potential to heal, enhance and make up for the things our bodies lack.

✓ There are two certainties in life. Death and Taxes.

✓ Can't we get rid of one of those?

Years ago, life expectancy was only 45, and then by the 1950s, it was up to 65, and today, it's almost 80.

So, there is require to know how machine learning is combating one of the leading causes of blindness, and enabling a son with neurological disease to communicate with his family. "All is changing the way we think about mind and body, life and death" and what we value most, our human experience.

Using A.I. to build a better human

Through life-changing accidents, and data-minded through NASCAR, human beings are finding ways to rebuild one another so that we are better, faster, and stronger than ever before and all with the help of A.I. Rebuilding the things with the technology, and making it better than it was 'Better' 'Stronger' 'Faster'. So, it's all about rebuilt with robotics machine parts with enhancements via technology and engineering, but the idea of enhancement actually dates back much further, to ancient Hinduism. So next stories are about augmenting our human abilities, everything from a bionic limb that behaves naturally and understands intent, to data that improves performance, and vision enhancement that saves people in actual life-threatening situations. It seems with A.I anything is possible.

There are certain qualities that are untouchable for A.I., or at some point might it be able to emulate everything. Even the stuff that we consider to be distinctly human, like instinct. Can a machine compete like an athlete, can a program write a movie, or could a robot be your soul mate? So, will machine ever be capable of understanding emotion, or









centralized financial intermediaries. As part of the implementation of bitcoin, Nakamoto also devised the ledger, which Nakamoto named "a chain of blocks" (Nakamoto, 2008, p. 7). This chain of blocks supports the new version of electronic cash. Blockchain provides a decentralized digital database of transactions, also known as a distributed ledger, which ismaintained and updated by a network of computers that verify a transaction before it is approved and added to the ledger. It allows transacting parties to exchange ownership of digitally represented assets in a real-time and immutable peer-to-peer system without the use of intermediaries.

When a transaction between two parties is about to take place (Step 1), it is first converted into a hashed transaction proposal and stored as a candidate to be printed on the ledger. This proposed transaction includes basic information such as date/time, sender, receiver, asset type, and quantity. The proposed transaction is provided with a unique cryptographic signature that ensures the integrity and authenticity of the record (Step 2) and then broadcast to a network of distributed computers for processing and authentication (Step 3). These computers process and authenticate the transaction (Step 4) and, once authenticated, the transaction is added to the digital ledger (Step 5), which completes the asset transfer between the two parties (Step 6). Each new transaction is linked to those recorded previously, providing acomplete, irreversible, and verifiable history of all transactions ever made on this blockchain.











