SRI SAIRAM ENGINEERING COLLEGE

DEPARTMENT OF INFORMATION TECHNOLOGY

PROUDLY PRESENTS

CELESTA

2020-2021
Issue 1

FROM THE HOD'S DESK

DEAR READERS;

I, on behalf of the entire department of information technology, take immense pleasure and pride in releasing the edition "CELESTA ". Our newsletter provides a perfect platform for for the students to express their view on the interesting technologies, recent trends and developments.It also takes us on a journey which brings out all the highlights of the department ,including important events that took place ,news about research and development and our development and our outstanding achievements,both from the student fraternity as well as our faculty. A few non technical articles have also been published to entertain as well as broaden the scope of our readers .

This edition focuses on Artificial Intelligence which is the recent growing technologies in today's world .It also contains details about the emerging technologies which are currently under development. The publication also includes the list of achievers in order to honour them at the same time to encourage their work also.

"Reading should not be presented to children as a chore, a duty. It should be offered as a gift"
said Kate DiCamillo.we release a newsletter every three months to encourage the work of both students and faculty. I would also like to thank our college management for helping us transform the vision of " CELESTA " into reality

CHIEF EDITOR: Dr. T. Sheela

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EDITORIAL BOARD

Dream it ! Believe it !! Achieve it !!!

"Technology is better when it just serves as a tool to open human imagination"

STAFF ACHIEVEMENTS

Ms.B.Kamala Of IT department had completed the train the trainer programme of Virtusa. The virtual Inauguration of" Train the Trainer " program on "Full stack java " by Virtusa was held on May 4th2020.

Dr. M. Suresh kumar has been recognised as **CISCO Netacad STAR Performer and Best Performing Instructor for PILOT VIRTUAL INSTRUCTOR TRAINING PROGRAM** conducted during COVID period. Also he has received Amazon Gift Voucher for **Rs.2500/-**.

Dr.T.P.Rani has received the SEEE award 2020 under Best Research Paper from the organisation Society for Engineering Education Enrichment.

We Congratulate Dr.T.Subha for completing IoT Foundation course and Ms.Sheeba Rachel for successfully completing Artificial Intelligence course in Aug 2020.The courses are Industry recommended **and Validated by SSC NASSCOM**

Dr.S.Sankari has received Engineering Excellence Award for Women from the organisation Society for Engineering Education Enrichment (SEEE).

IT SMART MINDS

SAIHACKFEST 2020

Ms. Dharini V K , Ms. Anupama Jeyashree S, Mr. Dwaraknath K, Ms. Parvathi Priya Nandana K. M, Ms. Shubadeepa Sahu and Ms. Harini K of II Year IT are the winners of SaiHackFest and has been awarded with a Cash prize of Rs.1000 for their innovative idea.

M-APPS CLUB

Mr. Hemanth P and Dinesh P has received special mention in Mobile application Development Competition Conducted by M-apps Club of Sri Sairam Engineering College.

TECHUPS

Electronic mail was invented by Ray Tomlinson in the 1960s. It wasn't until a couple of decades later that the World Wide Web would begin to take shape in the form we know and love today.

Most internet traffic isn't even real

A study in 2012 discovered that most of the traffic on the internet wasn't actually people, but was quite often made up of bots, hackers and malicious programs.

51 per cent of all internet traffic is said to be "non-human" in that regard. This traffic is often attempting to steal data, hijack sites, carry out denial-of-service attacks and more.

GADGET O'MANIA

Digital wallet

A digital wallet (or e-wallet) is a software program-based totally gadget that securely stores users' price information and passwords for numerous charge methods and websites. Through the use of a digital wallet, customers can complete purchases effortlessly and speedy with near-discipline communications generation. They can also create stronger passwords with out traumatic about whether or not they'll be capable of remember them later.

Digital wallets can be used in conjunction with mobile fee structures, which permit clients to pay for purchases with their smartphones. A digital pockets also can be used to shop loyalty card statistics and digital coupons.

Robotic vacuum cleaner

A robotic vacuum purifier is an autonomous robot vacuum cleaner which has a limited vacuum ground cleaning system combined with sensors and
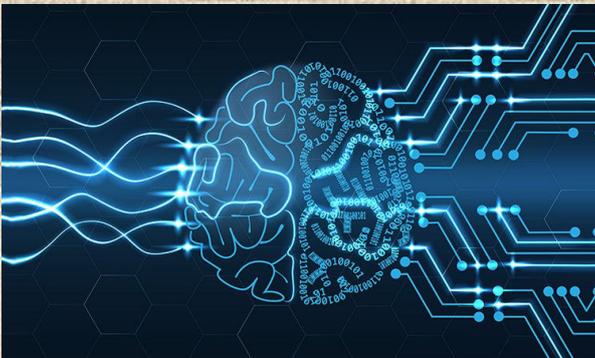

robot drives with programmable controllers and cleaning exercises. Early designs included manual operation through far flung manipulate and a "self-force" mode which allowed the gadget to smooth autonomously without human manipulate. a few designs use spinning brushes to reach tight corners, and some encompass a number of cleansing functions along side the vacuuming characteristic (mopping, UV sterilization, and many others.). greater latest fashions use synthetic intelligence and deep mastering for better mapping, object identification and event-based cleansing.

ARTIFICIAL INTELLIGENCE

It dates back to few hundred years ago when man began to learn about his body. Since then human race is always keen in replicating itself on own. Humans get engrossed by their body composition and implemented various of its features in their creations. For example, CPU of computers could be compared to the brain of the Human body which performs action and instructs reactions but humans have fascinated 'how?' ,'How these response to stimulus get produced in brain, where do they gain these knowledge?'. The word Intelligence is often posed as an answer. But where does this Intelligence came from? The answer is learning. Humans got to know thst people learn and experience in order to tackle and respond to a situation. They got an idea for training and making machines gain knowledge nd Intelligence and that's where the term 'Artificial Intelligence' came into the picture.

Artificial intelligence is primarily based totally at the precept that human intelligence may be described in a manner that a gadget can effortlessly mimic it and execute tasks, from the maximum easy to the ones which can be even greater complex. The desires of synthetic intelligence encompass mimicking human cognitive pastime. Researchers and builders withinside the discipline are making especially fast strides in mimicking sports inclusive of learning, reasoning, and perception, to the quantity that those may be concretely described. Some consider that innovators may also quickly be capable of increasing structures that exceed the capability of human beings to study or cause any problem. But others stay skeptical due to the fact all cognitive pastime is laced with cost judgments which can be a problem to human experience.

The programs for synthetic intelligence are endless. The era may be implemented in many exceptional sectors and industries. AI is being examined and used withinside the healthcare enterprise for dosing tablets and exceptional remedy in patients, and for surgical techniques withinside the working room. Artificial intelligence may be divided into special categories: vulnerable and strong. Weak synthetic intelligence embodies a device designed to perform one precise job. Weak AI structures consist of video games inclusive of the chess instance from above and private assistants inclusive of Amazon's Alexa and Apple's Siri. You ask the assistant a question, it solves it for you.

Strong synthetic intelligence structures are structures that keep on the responsibilities taken into consideration to be human-like. These have a tendency to be greater complicated and complex structures. They are programmed to deal with conditions wherein they will be required to hassle remedy while not having someone intervene. These varieties of structures may be located in programs like self-using automobiles or in sanatorium working rooms. Since its beginning, synthetic intelligence has come below scrutiny from scientists and the general public alike.

One not unsualplace topic is the concept that machines becomes so extraordinarily evolved that human beings will now no longer be capable of maintain up and they'll take off on their own, remodeling themselves at an exponential rate. Another is that machines can hack into human beings's privateness or even be weaponized. Other arguments debate the ethics of synthetic intelligence and whether or not sensible structures together with robots must be dealt with with the identical rights as human beings.

Self-using vehicles had been pretty arguable as their machines have a tendency to be designed for the bottom viable chance and the least casualties. If provided with a state of affairs of colliding with one individual or every other on the identical time, those vehicles might calculate the choice that could motive the least quantity of damage.Another contentious difficulty many human beings have with synthetic intelligence is how it is able to have an effect on human employment. With many industries seeking to automate sure jobs thru using sensible machinery, there's a subject that human beings might be driven out of the workforce. Self-using vehicles may also take away the want for taxis and car-proportion programs, whilst producers may also without problems update human hard work with machines, making human being's abilities greater obsolete.

Did you know?

The number 73939133 is the biggest known prime number such that every time you leave a digit on right, It gives a prime number again

This type of numbers are known to be truncatable prime

numbers.

73939133 is prime
7393913 is prime
739391 is prime
73939 is prime
7393 is prime
739 is prime
73 is prime
7 is prime