DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

NARSIMHA REDDY ENGINEERING COLLEGE

TechTransmit

ADEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING's MAGAZINE

INSIDE THIS

Vision of the Department

To produce technically competent professionals with quality education in cutting edge technologies with professional ethics.

Mission of the Department

M1: To impart quality technical education in design and implementation of IT applications through innovative teaching - learning practices

M2: To inculcate Professional behavior, with strong ethical values, and research capabilities.

M3: To educate students to be an effective problem solver with social sensitivity for the betterment of the society and humanity as a whole.

Programme Educational Objectives(PEOs)

1. PEO-I: Demonstrate proficiency in fundamental concepts and advanced technologies of computer science to succeed in their careers and/or obtain a higher degree.

2. PEO-II: Analyze complex computing problems in multidisciplinary area and creatively solve them.

3. PEO-III: Recognize ethical dilemmas in work environment and apply professional code of ethics.

NARSIMHA REDDY ENGINEERING COLLEGE MAISAMAGUDA KOMPALLY SECUNDERABAD

DIGITALCURRENCY

Crypto currencies are digital assets created using computer networking software that enables secure trading and ownership. Bitcoin and most other crypto currencies are supported by a technology known as block chain, which maintains a tamper-resistant record of transactions and keeps track of who owns what. Public block chains are usually decentralized, which means they operate without a central authority such as a bank or government.

The term crypto currencies come from the cryptographic processes that developers have put in place to guard against fraud. These innovations addressed a problem faced by previous efforts to create purely digital currencies: how to prevent people from making copies of their holdings and attempting to spend them twice. Individual units of crypto currencies can be referred to as coins or tokens, depending on how they are used. One common way crypto currencies are created is through a process known as mining, which issued by Bit coin. Mining can be an energy-intensive process in which computers solve complex puzzles in order to verify the authenticity of transactions on the network. As reward, the owners of those computers can receive newly created crypto currency. Other crypto currencies use different methods to create and distribute tokens, and many have a significantly ighter environmental impact.

T.KAVYASREE 19X01A05B1

ROBOTIC PROCES SAUTOMATION

Robotic process automation (RPA) is a software technology that makes it easy to build, deploy, and manage software robots that emulate humans actions interacting with digital systems and software. Just like people, software robots can do things like understand what's on a screen, complete the right keystrokes, navigate systems, identify and extract data, and perform a wide range of defined actions. But software robots can do it faster and more consistently than people, without the need to getup and stretch or take a coffee break. Today, RPA is driving new efficiencies and freeing people from repetitive tedium across a broad swath of industries and process. Enterprises in industries ranging from financial services to health care to manufacturing to the public sector to retail and far beyond have implemented RPA in areas as diverse as finance, compliance, legal, customer service, operations, and IT. And that's just for starters. When you combine RPA's quantifiable value with its ease of implementation relative to other enterprise technology, it's easy to see why RPA adoption has been accelerating worldwide.RPA can help many different types of industries address their specific operational issues in new and powerful ways.

SAAJAN SINGH19X01A0551

ARTIFICIALINTELLIGENCEINDIGITALMARKETING

Artificial Intelligence is a method in computer science where it is taught to understand and mimic human conversation and human behavior. Artificial Intelligence has produced a new intelligent machine which thinks, responds and performs tasks just like humans based on the data fed. AI can perform highly technical and specialized tasks such as robotics, speech and image recognition, also natural language processing and problem- solving etc.

Digital marketing is when you apply digital tools and data and a variety of different technologies, to support marketing. The authors continued to say that technology results are intended to identify the level of digital marketing resources. The objective of Chaffey & Ellis-Chadwick is to let you know about a common-sense tactic, even if you obtain the newest technology that does not put you in the driving seat with it. It does not mean a win automatically.

Artificial Intelligence (AI) will change how key word research is done. Artificial Intelligence will become more ubiquitous so that Search Engine Optimization (SEO) specialists understand the knowledge about automated learning and automation.

M.YASHWANTH 19X01A0533

AUGMENTEDREALITY

Augmented Reality (AR) is a new technology that involves the overlay of computer graphics on the real world. One of the best overviews of the technology is, that denned the field, described many problems, and summarized the developments up to that point. That paper provides a starting point for anyone interested in researching or using AR.

AR is within a more general context termed Mixed Reality (MR) , which refers to a multi-axis spectrum of areas that cover Virtual Reality (VR), AR, tele presence, and other related technologies. Virtual Reality is a term used for computer-generated 3D environments that allow the user to enter and interact with synthetic environments. The users are able to "immerse" themselves to varying degrees in the computers artificial world which may either be a simulation of some form of reality or the simulation of a complex phenomenon.

The tracking system is one of the most important problems on AR systems mostly because of the registration problem. The objects in the real and virtual worlds must be properly aligned with respect to each other, or the illusion that the two worlds coexist will be compromised.

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19X01A0521