Byte Quest

Department of
CSE

5G TECHNOLOGY

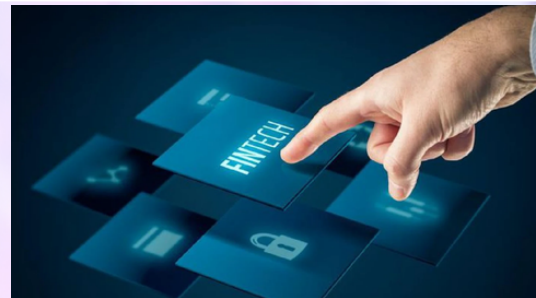Human Computer Interaction
HCI

Top 12 Software Development Methodologies
SDM

FINTECH INNOVATIONS

Department Vision

To be a center for academic excellence in the field of Computer Science and Engineering education to enable graduates to be ethical and competent professionals.

Department Mission

To enable students to develop logic and problem solving approach that will help build their careers in the innovative field of computing and provide creative solutions for the benefit of society.

FACULTY COORDINATORS

KOMAL KAUR
ASSISTANT PROFESSOR
DR. BHARGAVI PEDDIREDDY
ASSOCIATE PROFESSOR

STUDENT COORDINATORS

TALLURI CHANDRA KIRAN (3/4) CSE C
AMOGHA KANDURI (3/4) CSE C

5G TECHNOLOGY

5G is the 5th generation mobile network. It is a new global wireless standard after 1G, 2G, 3G, and 4G networks. 5G enables a new kind of network that is designed to connect virtually everyone and everything together including machines, objects, and devices. 5G wireless technology is meant to deliver higher multi-Gbps peak data speeds, <u>ultra-low latency</u>, more reliability, massive network capacity, increased availability, and a more uniform user experience to more users

Through a landmark 5G Economy study, we found that 5G's full economic effect will likely be realized across the globe by 2035—supporting a wide range of industries and potentially enabling up to $13.1 trillion worth of goods and services.
This impact is much greater than previous network generations. The development requirements of the new 5G network are also expanding beyond the traditional mobile networking players to industries such as the automotive industry.

HUMAN COMPUTER INTERACTION

Human-computer interaction (HCI) is a multidisciplinary field of study focusing on the design of computer technology and, in particular, the interaction between humans (the users) and computers. While initially concerned with computers, HCI has since expanded to cover almost all forms of information technology design.
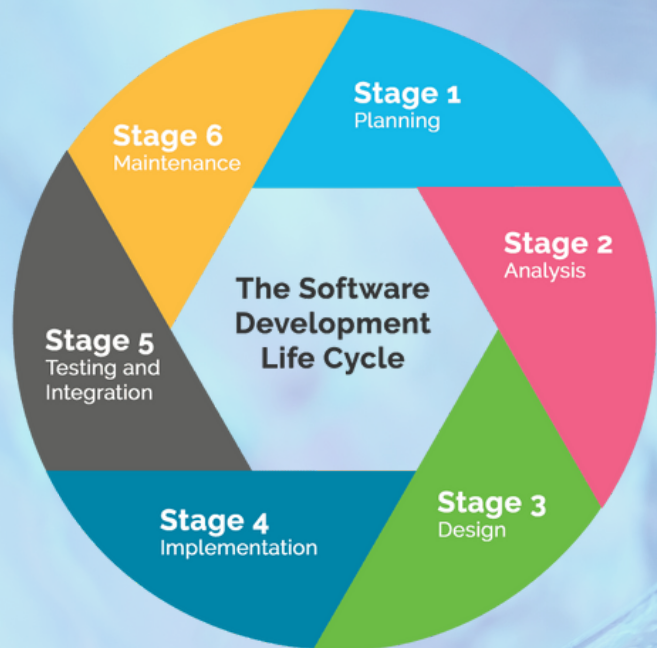
HCI surfaced in the 1980s with the advent of personal computing, just as machines such as the Apple Macintosh, IBM PC 5150 and Commodore 64 started turning up in homes and offices in society-changing numbers. For the first time, sophisticated electronic systems were available to general consumers for uses such as word processors, games units and accounting aids. Consequently, as computers were no longer room-sized, expensive tools exclusively built for experts in specialized environments, the need to create human-computer interaction that was also easy and efficient for less experienced users became increasingly vital. From its origins.

CYBERSECURITY

Software engineering methodologies are important for creating better software projects. It helps developers plan, produce, and test software. These methods simplify tasks, improve collaboration, and achieve timely and budget-friendly outcomes. Knowing various methods can help you in the technology field.

The Software Development Life Cycle

Stage 1 Planning
Stage 2 Analysis
Stage 3 Design
Stage 4 Implementation
Stage 5 Testing and Integration
Stage 6 Maintenance

Agile development methodology
Teams use the agile development methodology to minimize risk (such as bugs, cost overruns, and changing requirements) when adding new functionality
DevOps deployment methodology
DevOps is not just a development methodology but also a set of practices that supports an organizational culture.
Waterfall development method
Many consider the waterfall method to be the most traditional software development method. The waterfall method is a rigid linear model that consists of sequential phases (requirements, design, implementation, verification, maintenance) focusing on distinct goals
Rapid application development
Rapid application development (RAD) is a condensed development process that produces a high-quality system with low investment costs. Scott Stiner, CEO and president of UM Technologies, said in Forbes, "This RAD process allows our developers to quickly adjust to shifting requirements in a fast-paced and constantly changing market."

Byte Quest

FINTECH INNOVATIONS

Many fintech companies and seasoned professionals will remain innovative in these and other areas in 2024, so financial services businesses should closely monitor IT innovations in fintech.

In this article, I focus exclusively on what our team believes to be the trendiest fintech innovation ideas and the most important concepts you should know as we enter a new era of processing transactions.

The growth of financial innovation depends on the technology that underpins economic goods and services. These are the eleven most crucial digital banking innovations in the fintech industry that will influence the fintech sector this year. Let's dive into the world of the latest fintech innovations in banking!

Blockchain and technology
Gaming
Payment solutions
Open source and saas
Artificial Intelligence

BROUGHT TO YOU BY

**Department of
Computer Science and Engineering**

Vasavi College of Engineering