INFORMATION TECHNOLOGY

ADITYA

ENLIGHTENS THE NESCIENCE

ADITYA ENGINEERING COLLEGE (A)

APPROVED BY AICTE, NEW DELHI AND AFFILIATED TO JNTU KAKINADA

ABOUT IT DEPARTMENT

Established as one of the major departments of the Institute, the Department of Information Technology at Aditya strives to produce highly competent engineers equipped with advanced professional knowledge, entrepreneurial thinking, professional and ethical attitude, critical problem solving and analytical skills through effective teaching learning process, research and industrial collaboration.

The faculty of the department, a rich blend with academic and industrial experience, have been constantly carrying out research on many cutting-edge technologies with regular publications in ELSEVIER and other top international journals. The academic quality of the department is reflected by the laurels won by the students and the distinguished positions in industry and academia occupied by alumni.

The department strives to upgrade the knowledge of faculty and students by organizing various Workshops, Industry-Institute Interactions, Continuous Improvement Programs inviting eminent personalities from Industry and academic Institutions, Seminars and Research activities. Students are provided internship programs in various power IT industries like DXC, TCS, Capgemini and etc.

VISION OF THE DEPARTMENT

To emerge as a premier department with quality of education ,technical competency and innovations.

MISSION OF THE DEPARTMENT

MISSION 1:

 Provide an academic environment with quality infrastructure for solving real world problems and work in multi-disciplinary teams.

MISSION 2:

Impart value based education in innovative research and leadership aspects.

MISSION 3:

Collaborate with the industry and academic towards addressing the evolving changes in Information Technology and related areas.

STUDENT ACTIVITIES

The Internet of Things (IoT): Bridging the Physical and Digital Worlds by: D.Lakshmi on 16/12/2019

The Internet of Things (IoT) is revolutionizing the way we interact with technology and transforming our everyday lives. In this interconnected world, physical devices, vehicles, appliances, and even entire cities are embedded with sensors and software, enabling them to collect, exchange, and act upon data without human intervention. As the IoT continues to expand its reach, it holds the potential to create unprecedented efficiencies, enhance convenience, and shape a smarter, more sustainable future.

At the heart of the IoT lies the concept of interconnectivity. Devices within the IoT ecosystem are equipped with sensors that capture data from their environment, which is then transmitted to centralized data storage systems or the cloud. The data is processed and analyzed using powerful algorithms and artificial intelligence, providing valuable insights and enabling intelligent decision-making.

To illustrate, consider a smart home equipped with IoT devices. The thermostat Edge computing, where data processing occurs closer to the source, will become increasingly prevalent. This approach reduces latency, minimizes bandwidth usage, and enhances real-time responsiveness. AI-driven IoT systems will become more adept at understanding patterns and making informed decisions, further automating processes and improving efficiency.

The integration of IoT with 5G networks will unleash a new wave of possibilities. High-speed, low-latency connectivity will enable real-time applications, foster remote operations, and drive forward the concept of smart cities.

In conclusion, the Internet of Things is transforming our world, converging the digital and physical realms to create smarter, more efficient, and connected environments. As we embrace the IoT's potential, addressing security, interoperability, and infrastructure challenges will be essential to unlock its full capabilities. By doing so, we can build a future where IoT-driven innovations enhance our lives and pave the way for a more sustainable and interconnected planet.

Placements:

Student ID	Student Name	Company	Package (in lakhs)
16A91A1207	BODA SRI KAVYA	Wipro	6.0
16A91A1214	GANDHAM LAKSHMI SOWPARNIKA	Wipro	4.8
16A91A1217	GORLA AJAYTEJA	EPAM	4.0
16A91A1231	MOHAMMED ABDULLA	Google	5.0
16A91A1255	YENUMULA CHANDRA SAI VEERAVENKATA CHARMISH	L&T	3.6
16A91A1257	KALTURI SOWMYA	Maersk	3.6
16A91A1238	PRAVEEN PECHETTY	AWS	4.8
16A91A1240	SAKHINETIPALLI DURGA PRASAD	L&T	4.5