RAMACHANDRA COLLEGE OF ENGINEERING
AUTONOMOUS

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NAAC A+
NBA (EEE, Civil, ME, ECE & CSE)
ISO 9001 : 2015 Certified

Department of CSE-IOT (Internet of Things)

Event: KNOWLEDGE TRANSFER (KT) PROGRAM

Date: 11-03-2026

Organized by: Department of CSE (IOT) Ramachandra College of Engineering & Technology

Introduction

The Knowledge Transfer (KT) Program was conducted on the topic **"Artificial Intelligence and Website Creation through GitHub for Commercial Applications."** The session aimed to provide participants with an understanding of how AI tools and GitHub can be used together to design, develop, and deploy professional websites for business purposes

Objectives of the Event

- To introduce participants to Artificial Intelligence concepts
- To demonstrate website development using GitHub
- To explain deployment of commercial websites
- To enhance practical knowledge in modern web technologies
- To encourage use of AI tools in real-time projects

3. Resource Person(s)

Name: DR.T.M.Usha

Designation: Professor

Organization: Department of CSE (IOT)

4. Co-Ordinators: J.praveen Kumar and CH.Raviteja

a) Introduction to Artificial Intelligence

- Basics of AI and its applications
- AI tools for development (content generation, coding assistants)

b) GitHub Overview

- Introduction to Git and GitHub
- Repository creation and management
- Version control concepts

c) Website Creation

- HTML, CSS, and basic JavaScript
- Creating a simple responsive website
- Using AI tools for faster development

d) Deployment using GitHub

- Hosting websites using GitHub Pages
- Steps to publish a live website
- Domain linking for commercial use

e) Commercial Applications

- Creating business websites
- Portfolio and e-commerce basics
- Monetization strategies

6. Activities Conducted

- Live demonstration of website creation
- GitHub repository setup
- Website deployment using GitHub Pages
- Interactive Q&A session

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AI Architect Role, Responsibilities & AI System Design

The session on **AI Architect Role, Responsibilities, and AI System Design** provided participants with an understanding of the role of an AI architect in designing and managing intelligent systems. It covered the key responsibilities such as selecting appropriate technologies, designing scalable AI solutions, managing data pipelines, and ensuring system efficiency and reliability. Participants learned about the process of AI system design, including problem identification, data collection, model selection, training, testing, and deployment. The session also highlighted the importance of ethical considerations, security, and performance optimization in AI systems. Overall, it gave participants insights into how AI solutions are developed and deployed in real-world applications.

Description of the Event

The **Knowledge Transfer (KT) Program** was conducted with the objective of sharing knowledge, technical expertise, and practical skills related to emerging technologies among participants. The program aimed to enhance understanding by combining theoretical concepts with real-time applications, thereby preparing participants for current industry demands.

The event comprised a series of well-structured sessions, including introductory lectures, hands-on practical training, and interactive discussions. Participants were introduced to the fundamentals of Artificial Intelligence (AI)

- **Building a Professional LinkedIn & GitHub Portfolio**

The session on **AI vs. Quantum Computing and Their Integration with IoT: Technologies, Opportunities, and Future Applications** provided an in-depth understanding of the differences between Artificial Intelligence (AI) and Quantum Computing. Participants learned how AI focuses on data-driven decision-making and automation, while Quantum Computing leverages quantum mechanics principles to solve complex problems at a much faster rate. The session also highlighted how the integration of these technologies with IoT can lead to advanced smart systems, improved data processing, and enhanced efficiency. Various opportunities and future applications were discussed, including smart cities, healthcare, cyber security, and industrial automation, giving participants insight into next-generation technological advancements.

OUTCOME OF THE EVENT

The Knowledge Transfer (KT) Program successfully facilitated the effective sharing of knowledge and technical skills among the participants. It enhanced their understanding of key concepts and enabled them to gain practical insights through interactive sessions and hands-on activities. Participants were able to apply the learned concepts in real-time scenarios, improving their technical competency and confidence. The program also promoted collaborative learning, critical thinking, and problem-solving abilities. Overall, the KT Program achieved its objective

of transferring knowledge efficiently and contributed to the academic and professional development of the participants.

Student Participation

During the Knowledge Transfer (KT) Program, students actively participated in all sessions with great enthusiasm and interest. They were engaged in both theoretical discussions and practical activities, showing curiosity in learning new concepts and technologies. Students collaborated effectively during hands-on sessions and group tasks, which enhanced their understanding and teamwork skills. Their active involvement, interaction with resource persons, and participation in activities contributed significantly to the success of the KT Program.

Conclusion

The KT Program was successfully conducted and achieved its objectives. It provided valuable insights into AI-driven development and GitHub-based website deployment for commercial purposes.

HoD **Dean-Academic** **Principal**

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