Mr. Hoang Thi Thu
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Job Titles

Lecturer, Faculty of Telecommunications, Posts and Telecommunications Institute of Technology, Vietnam

Education and Qualifications

- 2012–2017: Engineering Degree in Electronic and Telecommunication, Posts and Telecommunications Institute of Technology, Vietnam.
- 2017–2019: Master Degree in Electronic and Telecommunication, Posts and Telecommunications Institute of Technology, Vietnam.

Job Experiences

- 2016–2021: Researcher, CDIT Institute of Information and Communication Technology, Posts and Telecommunications Institute of Technology, Vietnam.
- 2022–present: Lecturer at Posts and Telecommunications Institute of Technology, Vietnam.

Teaching Experiences

- Undergraduate Program in Electronic and Telecommunication Engineering:
  - TEL1447- Cloud computing
  - TEL1409- Internet and protocols
  - TEL1458- Wireless sensor network
  - MUL14154- Internet of Things Application Development

Research (over the last 5 years)

Research Interests

- Telecommunications Networks
- Transmission Protocols in Networks

- Internet of Things
- Edge Computing
- Cloud Computing
- Blockchain

Research Projects

- Research and test construction of Quick Note Book based on QRCode. Code: 026-2017-HV-CDIT-CNTT
- Research and test the system to authenticate the origin of products and goods using Blockchain. Ministry level, Code: DT022.18
- Researching trends and evaluating the potential of Blockchain applications in state agencies". Ministry level, Code: DT030.18
- Research, develop solutions and test on smart student attendance system using IoT technology. Code: 027-2018-HV-CDIT-IoT.
- Research on the potential application of Blockchain in micro-transaction problems in the digital economy. Ministry Level, Code: DT.30/19.
- Research on IPFS (InterPlanetary File System) decentralized data management solution and application in SmartContract. Ministry Level, Code: DT.29/19.
- Research and propose a 4.0 classroom model for current universities. Code: DT.004.2019.HV-CDIT-IoT.
- Research on building a pilot information technology system to collect data and analyze some key performance indicators (KPIs) of smart cities suitable for Vietnam's conditions to serve the activities of state management agencies. State level, Code: KC01.04/16-20.
- Research and development of experimental open AI platform in e-government. Ministry Level, Code: DT.19/20.
- Research on data sharing for smart urban construction in Vietnam. Ministry Level, Code: DT.23/20.
- Research on development of a system to support the implementation of pediatric clinical trials based on virtual reality technology". Code: KC-4.0-02/19-25.
- Research and manufacture experimental Internet of Robotic Things (IoT) models for use in smart production or operations. Ministry Level, Code: DT.20/21.
- Research and develop a test solution to determine the originality and authenticity of digital content published online based on SmartContract and IPFS technology. Ministry Level, Code: DT.54/21.
- Research and manufacture IoT devices using NB-IoT (Narrowband IoT) technology and practical testing". Code: DT.003.2021.HV-CDIT-IoT
- Research on the application of Blockchain technology to trace the origin of key agricultural products (coffee, pepper, fruit trees, vegetables, meat) in Dak

Lak province". Department of Science and Technology, Code: 108/202022/DK-KQKHCN.

Research on integrating IoT data into traceability of agricultural products, Code: 06 -HV-2023-VT1.

Journal/Conference Publication

- Hoang Dang Hai, Hoang Manh Thang, Hoang Thi Thu, "Simulation and measurement tool for evaluating data on 4G network," No. 02/2019. Journal of Information and Communication Technology Science.
- Hoang Manh Thang, Hoang Thi Thu, "Tracing the origin of agricultural products using Blockchain," No. 03/2019. Journal of Information and Communication Technology Science.
- Hoang Thi Thu, "Authentication Method in Wireless Sensor Networks Using Watermarking," No. 04/2019. Journal of Information and Communication Technology Science.
- Hoang Trong Minh, Nguyen Thanh Tra, Hoang Thi Thu, "An offloading scheme for energy optimization in mobile edge computing systems," No. 03/2020. Journal of Information and Communication Technology Science.
- Nguyen Van Cuong, Hoang Thi Thu, Nguyen Thi Lan, "Load reduction method in MEC system based on energy and delay optimization". Fair Conference 2020 in Nha Trang, ID: 84. Rating: Good.
- Hoang Manh Thang, Nguyen Binh, Nguyen Trung Hieu, Cao Minh Thắng, Hoàng Thị Thu, "Omura-Massey Cryptosystem on Polynomial Rings with Two Primitive Equipotentials," No. 02/2023. Journal of Information and Communication Technology Science.
- Hoang Thi Thu, "Solution to integrate IoT data into agricultural product traceability," No. 04/2023. Journal of Information and Communication Technology Science.

Signature

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