

Smart Device Application Development Program Learning Outcomes

1. Design and develop applications that run on multiple smart device platforms using advanced programming languages, frameworks, and tools in accordance with industry standards.
2. Analyze complex computing problems and provide innovative solutions for smart device applications using appropriate algorithms and tools.
3. Communicate technical concepts clearly with both specialists and non-specialists, and work effectively within multidisciplinary teams.
4. Apply core computing principles such as algorithms, data structures, and system architecture in the development of smart device applications.
5. Integrate advanced technologies such as mobile computing, cloud computing, the Internet of Things (IoT), and artificial intelligence into smart device applications.
6. Identify information security risks and implement appropriate measures to protect applications, devices, and networks within smart device environments.
7. Adhere to professional and ethical responsibilities, legal requirements, and industry standards while respecting user privacy and data security.
8. Demonstrate leadership and collaborative skills within diverse teams, engage in lifelong learning, and innovate to keep pace with emerging technologies in the field of smart devices.