KYUNGDONG UNIVERSITY GLOBAL
SOUTH KOREA

KDU
MAN OF MISSION
KYUNGDONG UNIVERSITY
취/업/사/관/학/교 경동대학교

Undergraduate Program in

Smart Computing

Medium of Instruction : English (100%)

Duration of Study : 4 years



We lead the world with new tradition!

PROGRAM DESCRIPTION

Smart Computing (SC) is a comprehensive undergraduate degree program that nurtures future-ready professionals across five specialized tracks — Games and Virtual Reality, AI and Data Science, AI Security and Privacy, Internet of Things (IoT), and Robotics — allowing students to master the most sought-after skills across these disciplines simultaneously. The program blends theory, creativity, and hands-on projects. Every student completes a supervised internship/practicum in the industry and a capstone project before graduation. Their cumulative learning translates directly into a professional portfolio - the outcome which ensures and guarantees their employment both in Korea and abroad!

CAREER OPPORTUNITIES

Our SC graduates are ready to face the challenges and changes in the engineering and IT industries and turn them into beneficial technologies across the traditional and emerging roles and professions including:

• AI Engineer • Robotics Engineer • Embedded Systems / Firmware Engineer • Automotive Systems Engineer
• Data Scientist • IoT Developer • Software Developer • Mobile App Developer • Cybersecurity Analyst
• Information Security Manager • Network Security Engineer • Game Developer • VR / AR Developer
• Systems Analyst • System Administrator • Entrepreneur



CURRICULUM COMPONENTS

Games and Virtual Reality	AI and Data Science	AI Security and Privacy	Internet of Things	Robotics	Korean Business Communication and Competencies Training
• Introduction to Programming (C++) • Advanced Programming (Python) • Computer Vision / Graphics • Human - Computer Interaction (HCI) • Game Programming • Track Elective II — Computer Animation and Modeling / Game Engine and Interactive Design • Mobile Programming • Capstone: Virtual and Augmented Reality Studio	• Introduction to AI and Robotics • Database Management Systems • Software Engineering and Systems Analysis • Data Mining and Big Data Analytics • Machine Learning and Deep Learning Foundations • Applied AI Elective — NLP / Computer Vision / Reinforcement Learning • Data Science • Capstone: Applied Data Science and Generative AI	• Introduction to Cybersecurity Concepts • AI Security and Cryptography • Applied AI Programming for Security • Network Security • Secure Web Application Development • Blockchain and Cryptocurrency • Digital Forensics • Capstone: Digital Forensics and Ethical Hacking	• Data Structures and Algorithms • Data Communication and Computer Networks • Distributed / Cloud Computing • Embedded Systems • Linux Operating Systems & Networking • IoT and Edge Computing Module • Smart Computing Project • Capstone: IoT Systems Integration Project	• Computer Architecture and Digital Systems • Electronics and Control Systems • Modeling and Simulation for Robotics • Track Elective I — Robot Motion and Control / Applied CV / Embedded Firmware and RTOS • Robotics System Design • Track Elective II — Robotics Perception / HRI / Autonomous and Embedded Product Systems • Embedded Systems (Shared) • Capstone II : Advanced Robotics Systems Integration	• Understanding Korean Culture I - II • Communication in Korean I - II • Calculus and Linear Algebra • Discrete Mathematics • Statistics • Ethics in AI • Research Methodology • Problem Solving Concept • Final Year Project (FYDF1 & FYDP2)

Contacts: https://kduglobal.ac.kr
info@kduniv.ac.kr
prof.john.k.lee

Start your admission here:

Apply Now!