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Possible subjects	Area	التخصص	م
Microprocessors, interfacing, design of microcomputer-based systems, parallel and distributed systems,	Computer Architecture & Digital Design	بناء الحاسب	1
Digital signal processing, digital image processing, compression,	Digital Signals and Systems	الأنظمة الرقمية	2
Computer communication, computer networks, protocols, wireless networks,	Communications and Networks	اتصالات وشبكات الحاسب	3
Integrated circuits technology, VLSI design and simulation,	VLSI and Design Automation	أنظمة الدوائر المتكاملة المتناهية الصغر	4
Human computer interaction, computer vision, biocomputation, security and encryption, machine learning, robotics,	Computer Applications and Algorithms	تطبيقات الحاسب	5
Databases and information systems, internet systems, knowledge-based systems, graphics, programming languages and compilers, operating systems,	Software	البرمجيات	6
Artificial intelligence, neural networks, fuzzy logic, genetic algorithms, hybrid systems, pattern recognition, evolutionary computing,	Computational Intelligence	الذكاء الحسابي	7