Information Booklet

For

Postgraduate Studies

Department of Computer Science and Engineering

Dhaka University of Engineering & Technology (DUET), Gazipur

Syllabus for Postgraduate Program (CSE)

Course No.	Course Title	Credit
CSE 6000	Thesis	18
CSE 6001	Project	6
CSE 6101	Computer Graphics and Multimedia	3
CSE 6102	Advanced Image Processing	3
CSE 6103	Computer Vision	3
CSE 6104	Artificial Intelligence and Knowledge Based Systems	3
CSE 6105	Fuzzy Systems	3
CSE 6106	Neural Network	3
CSE 6107	Digital Signal Processing	3
CSE 6108	Medical Image Processing	3
CSE 6109	Automated Planning and Heuristic Search	3
CSE 6110	Machine Learning	3
CSE 6111	Deep Learning for Natural Language Processing	3
CSE 6201	Distributed Database System	3
CSE 6202	Data Mining and Warehousing	3
CSE 6301	Wireless Sensor Networks	3
CSE 6302	Advanced Computer Networking	3
CSE 6303	Wireless Networking & Mobile Computing	3
CSE 6304	Network Security	3
CSE 6305	Cloud Computing	3
CSE 6306	Advances in Multiple Access Control Protocols	3

CSE 6307	Remote Sensing and Geographical Information System	3
CSE 6401	Distributed Search Technique	3
CSE 6402	Graph Theory	3
CSE 6403	Computational Geometry	3
CSE 6404	Bioinformatics Algorithms	3
CSE 6405	Parallel Algorithms	3
CSE 6406	Advanced Algorithm Design and Analysis	3
CSE 6407	Discrete Mathematical Structures	3
CSE 6408	Cryptography	3
CSE 6409	VLSI Layout Algorithm	3
CSE 6410	Cyber Physical System	3
CSE 6501	Software Project Management	3
CSE 6502	Software Quality Assurance	3
CSE 6503	Information System Management	3
CSE 6504	IT Policy	3
CSE 6505	Research Foundation in Computer Sciences	3
CSE 6601	Modern Operating Systems	3
CSE 6602	Advanced Microprocessors and Microprocessor Based Systems	3
CSE 6603	Advanced Logic Design	3
CSE 6604	Fault Tolerant Computing	3
CSE 6605	Advanced Computer Architecture	3
CSE 6606	Embedded Systems	3
CSE 6607	Special Topics on Computational Architecture	3