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| **Post Graduate Diploma in ICT**  Institute of Information and Communication Technology  Bangladesh University of Engineering and Technology | | |
| **PGD ICT : Group A** | | |
| ICT 5100 | Project | 3 |
| ICT 5101 | Programming Concept | 3 |
| ICT 5102 | Data Structure and Algorithm | 3 |
| ICT 5103 | Database Design and Management | 3 |
| ICT 5104 | Introduction to Telecommunications | 3 |
| ICT 5105 | Data Communication | 3 |
| ICT 5106 | Computer Networks | 3 |
| **PGD ICT : Group B1** | | |
| ICT 5201 | Operating System Concepts | 3 |
| ICT 5202 | Visual Programming | 3 |
| ICT 5203 | Web Technologies, Protocols, and Applications | 3 |
| ICT 5204 | Multimedia Design and Development | 3 |
| ICT 5205 | Client Server Technologies | 3 |
| ICT 5206 | Electronic Commerce | 3 |
| ICT 5207 | Information System Analysis and Design | 3 |
| ICT 5208 | Software Engineering and Application Development | 3 |
| ICT 5209 | Software Quality Management | 3 |
| **PGD ICT : Group B2** | | |
| ICT 5301 | Information System and Network Security | 3 |
| ICT 5302 | Advanced Internet Technologies | 3 |
| ICT 5303 | Network Programming and Management | 3 |
| ICT 5304 | Digital Communications | 3 |
| ICT 5305 | Mobile Communications | 3 |
| ICT 5306 | Software and Database in Telecommunication | 3 |
| ICT 5307 | Embedded System Design | 3 |
| ICT 5308 | Network System Design | 3 |
| ICT 5309 | Optical Communication | 3 |
| **M Engineering ICT (Any Ten Courses)** | | |
| ICT 6511 | Graph Theory and Application | 3 |
| ICT 6512 | Parallel Algorithms | 3 |
| ICT 6513 | VLSI Layout Algorithms | 3 |
| ICT 6514 | Bioinformatics Computing | 3 |
| ICT 6522 | Data Warehousing and Mining | 3 |
| ICT 6531 | Computational Linguistics | 3 |
| ICT 6532 | Statistical Machine Translation | 3 |
| ICT 6533 | Speech Processing | 3 |
| ICT 6534 | Speech Recognition | 3 |
| ICT 6536 | Neuro-Fuzzy Systems | 3 |
| ICT 6541 | Applied Cryptography | 3 |
| ICT 6542 | Computer Graphics and Animation | 3 |
| ICT 6543 | Distributed Systems | 3 |
| ICT 6613 | Mobile and Wireless Communications | 3 |
| ICT 6614 | Tele-traffic Engineering | 3 |
| ICT 6615 | Radio Frequency Technology | 3 |
| ICT 6642 | Real Time Computing for Embedded System | 3 |
| ICT 6521 | Advanced Database Systems | 3 |
| ICT 6535 | Advanced Artificial Intelligence | 3 |
| ICT 6611 | Advanced Digital Communications | 3 |
| ICT 6612 | Advanced Optical Communication | 3 |
| ICT 6621 | Advanced Networking | 3 |
| ICT 6632 | Advanced VLSI Design | 3 |
| ICT 6633 | Advanced VLSI Testing | 3 |
| ICT 6641 | Advanced Embedded System Design | 3 |
| ICT 6651 | Advanced Digital Signal Processing | 3 |