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| **Post Graduate Diploma in ICT** Institute of Information and Communication Technology  KUET | | |
| **Core Courses** | | |
| ICT 5101 | Programming Concepts | 3 |
| ICT 5102 | Data Structures and Algorithms | 3 |
| ICT 5103 | Database Design and Management | 3 |
| ICT 5104 | Web Programming | 3 |
| ICT 5105 | Information System Analysis and Design | 3 |
| ICT 5106 | Data Communication and Computer Networks | 3 |
| ICT 5107 | Communication Technology | 3 |
| ICT 52## | Optional I | 3 |
| ICT 52## | Optional II | 3 |
| ICT 52## | Optional III | 3 |
| **Optional Courses** | | |
| ICT5201 | Computer Organization and Architecture | 3 |
| ICT5202 | Operating Systems | 3 |
| ICT5203 | Digital Logic and Design | 3 |
| ICT5204 | Software Engineering | 3 |
| ICT5205 | Business System Engineering | 3 |
| ICT5206 | E-Commerce | 3 |
| ICT5207 | Web Applications and Protocols | 3 |
| ICT5208 | Multimedia Technologies and Applications | 3 |
| ICT5209 | Client Server Technologies and Distributed Database | 3 |
| ICT5210 | Data Mining | 3 |
| ICT5211 | Network Management and Security | 3 |
| ICT5212 | Embedded System | 3 |
| ICT5213 | VLSI System Design | 3 |
| ICT5214 | Digital Communication | 3 |
| ICT5215 | Optical Communication | 3 |
| ICT5216 | Digital Image Processing | 3 |
| ICT5217 | Digital Signal Processing | 3 |
| ICT5218 | Computer Aided Design | 3 |