**List of CSC – UG recent Textbooks and Reference books needed as per the Course Name**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **S/n** | **Course Name** | **Text Book** | **Reference Book** | **Remark** |
|  | **Computer programming** |  | **X** |  |
|  | **Fundamentals of Programming** | **X** | **X** |  |
|  | **Fundamentals of Database Systems** |  | **X** |  |
|  | **Advanced Database Systems** | **X** | **X** |  |
|  | **Software Engineering** |  | **X** |  |
|  | **Object-Oriented Programming** |  | **X** |  |
|  | **Data Communications and Networking** |  | **X** |  |
|  | **Operating Systems** |  | **X** |  |
|  | **Advanced Programming** | **X** | **X** |  |
|  | **Computer organization and Architecture** |  | **X** |  |
|  | **Automata and Complexity Theory** |  | **X** |  |
|  | **Data Structures and Algorithms** |  | **X** |  |
|  | **Wireless Communication and Mobile Computing** |  | **x** |  |
|  | **Web programming** | **x** | **x** |  |
|  | **Design and Analysis of Algorithms** |  | **x** |  |
|  | **Compiler Design** |  | **x** |  |
|  | **Computer Graphics** |  | **x** |  |
|  | **Networking and System Administration** | **X** | **X** |  |
|  | **Introduction to Artificial Intelligence** |  | **X** |  |
|  | **Computer Vision and Image Processing** |  | **X** |  |
|  | **Real time and embedded system** |  | **X** |  |
|  | **Computer Security** |  | **X** |  |
|  | **Introduction to Distributed Systems** |  | **X** |  |
|  | **Research Methods in CSC** |  | **X** |  |
|  | **Introduction to Data Science** |  | **X** |  |
|  | **Simulation and Modeling** |  | **X** |  |
|  | **Introduction to Data Mining and Warehousing** | **X** | **X** |  |
|  | **Event-Driven Programming** | **X** | **X** |  |
|  | **Introduction to Natural Language Processing** | **X** | **X** |  |
|  | **Semantic Web** | **X** | **X** |  |
|  | **Introduction to Machine Learning** |  | **X** |  |
|  | **Introduction to Block chain Technology** | **X** | **X** |  |
|  | **Human Computer Interaction** | **X** | **X** |  |
|  | **Multimedia** |  | **X** |  |
|  | **Mathematics for Natural Science** | **X** | **X** |  |
|  | **Applied Mathematics I** | **X** | **X** |  |
|  | **Linear Algebra** |  | **X** |  |
|  | **Probability and Statistics** |  | **X** |  |
|  | **Digital Logic Design** |  | **X** |  |
|  | **Discrete Mathematics and Combinatory** |  | **X** |  |
|  | **Numerical Analysis** |  | **X** |  |