Table 4. Comparison between existing methods and our method

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Proposed Work | LUT (Look-Up Table) | Flip Flop | Clock period | Frequency |
| Spartan 6 | 916 | 464 | 5.35 ns | 186.925 MHz |
| Artix-7 | 653 | 413 | 3.254 ns | 307.342 MHz |
| Existing Method |  |  |  |  |
| [1] Artix-7 | 414 | 283 | - | 156.250 MHz |
| [3] Altera’s Cyclone II | - | - | 4.15 ns | - |
| [4] Altera Stratix IV | - | - | 0.005 s | - |
| [14] Cyclone V | - | - | 27360 ns | - |