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He joined IIT, Kharagpur as a faculty member in 1994, where he currently holds the position of a professor in Electronics and Electrical Communication Engg. The teaching and research interests of Prof. Chakraborty are in Digital and Adaptive Signal Processing, VLSI Signal Processing, Linear Algebra and Compressive Sensing.

## **NOC | VLSI Signal Processing**

1. ``VLSI Digital Signal Processing Systems'', Keshab K. Parhi, Wiley Eastern
2. ``Digital Signal Processing for Multimedia Systems'', Keshab K. Parhi and Takao Nishitani, Marcel Dekker.
3. ``Pipelined Lattice and Wave Digital Recursive Filters'', J. G. Chung and Keshab K. Parhi, Kluwer.

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Academic Publishers, Boston. Keshab K. Parhi and David G. Messerschmitt, Pipeline Interleaving and Parallelism in Recursive Digital Filters - Part I: Pipelining Using Scattered Look-Ahead and Decomposition.

## **VLSI Programming [2IN35]**

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