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Students are informed to form 10 teams and select topics from the following list of projects

Sl No	Title	Reference Paper	Github
1	Vectorizing posit operations on RISC-V for faster deep neural networks: experiments and comparison with ARM SVE	Paper	Github
2	CNN using RVV extension	Paper	Github
3	PNG Predictor filter using RVV	Paper	Github.
4	FIR implementation using RISC-V RVV	Paper	Github.
5	Object Detection Based on RISC-V	Paper	Github
6	Number Theoretic Transform for Encryption Decryption Acceleration using RISC-V	Paper	Github
7	Kyber and Dilithium algorithms implementation using RISC-V	Paper	Github
8	Mobilenet Architecture V2 on RISC-V using RVV	Paper	Github
9	Facial recognition on RISC-V using mobile net architecture	Paper	Github
10	Vector acceleration in extreme-edge computing	Paper	Github
11	Eigen function acceleration RISC-V RVV	Paper	Github
12	Spiking Neural Network on RISC-V	Paper	Github
13	DNN on RISC-V using RVV	Paper	Github
14	Matrix Multiplication Acceleration using RISC-V RVV	Paper	Github
15	ANN accelerator using RISC-V	Paper	Github
16	Accelerating Machine learning algorithm using RISC-V RVV	Paper	Github
17	Efficient RNN-based 5G using RISC-V	Paper	Github
18	Digital Signal processing in RISC-V	Paper	Github
19	Optimization of multiplication in the RISC-V architecture using bitmap extension	Paper	Github
20	RISC-V Vector Extension for the Classic McEliece Post-Quantum Cryptosystem	Paper	Github