

Department of Computer Science & Engineering Microprocessor & Computer Architecture MPCA-Laboratory/Assignment/Hands-on/Project UE20CS252

	SI. No	Programs
•	Week No.5	 Write a program in ARM7TDMI-ISA to generate Fibonacci Series and store them in an array.
		 Write a program in ARM7TDMI-ISA to find smallest number in an array of n 32 bit numbers
		 3. Write a program in ARM7TDMI-ISA to multiply 2 matrices of order3. i.e., implement c[i][j]=c[i][j] x a[i][j] x b[i][j]. a. Use MLA instruction b. Use MUL instruction
		4. Write a program in ARM7TDMI-ISA to transfer a block of 256 words stored at memory location X to memory location Y using Load Multiple and Store Multiple instructions. The rate of transfer is 32 bytes.
		Student exercises:
		 Write a program in ARM7TDMI-ISA to add 2 matrices of order3. i.e., Implement c[i][j] = a[i][j] + b[i][j].
		2. Write a program in ARM7TDMI-ISA to find the NORM of a square matrix of order n.
		3. Write a program in ARM7TDMI-ISA to find the ROWSUM of a matrix.
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