

Subject Code	Subject Name	Teaching Scheme			Credits Assigned			
		Theory	Practical	Tutorial	Theory	TW	Tutorial	Total
EXL 402	Microprocessor and Peripherals Laboratory	--	02	--	--	01	--	01

Subject Code	Subject Name	Examination Scheme								
		Theory Marks					Term Work	Practical and Oral	Oral	Total
		Internal assessment			End Sem. Exam					
		Test 1	Test 2	Ave. Of Test 1 and Test 2						
EXL 402	Microprocessor and Peripherals Laboratory	--	--	--	--	25	--	25	50	

Syllabus: Same as **EXC 403 (Microprocessor and Peripherals)**

**Term Work:**

At least 10 experiments based on the entire syllabus of **EXC 403 (Microprocessor and Peripherals)** should be set to have well predefined inference and conclusion. Computation/simulation based experiments are also encouraged. The experiments should be students' centric and attempt should be made to make experiments more meaningful, interesting and innovative. Term work assessment must be based on the **overall performance** of the student with **every experiment graded from time to time**. The grades should be converted into marks as per the **Credit and Grading System** manual and should be **added and averaged**. The grading and term work assessment should be done based on this scheme.

The final certification and acceptance of term work ensures satisfactory performance of laboratory work and minimum passing marks in term work. Practical and Oral exam will be based on the entire syllabus.

**Suggested Experiments**

1. Write a program to arrange block of data in i) Ascending and (ii) Descending order.
2. Write a program to find out any power of a number
3. Write a programmable delay
4. Write a program to find out largest number in an array.
5. Experiment on String instructions (e.g Reversing of string & palindrome)
6. Write a programme to multiply 32 bit numbers
7. Menu driven programming
8. Write a program for code conversion
9. Programming the 8255 to read or write to port ( any one application)
10. Programming the 8259 to demonstrate rotating priority, Specific priority ,etc