



# SWARNANDHRA

## COLLEGE OF ENGINEERING & TECHNOLOGY

(AUTONOMOUS)

Accredited by National Board of Accreditation, AICTE, New Delhi, Accredited by  
NAAC with "A" Grade – 3.32 CGPA, Recognized under 2(f) & 12(B) of UGC Act 1956  
Approved by AICTE, New Delhi, Permanent Affiliation to JNTUK, Kakinada  
Seetharampuram, W.G.D.T., Narsapur-534280, (Andhra Pradesh)

### DEPARTMENT OF INFORMATION TECHNOLOGY

### TEACHING PLAN

Course Code	Course Title	Semester	Branch	Contact Periods /Week	Academic Year	Date of commencement of Semester
20IT3L01	COMPUTER ORGANIZATION LAB	III	IT	3 Periods	2023-24	07-08-2023
<b>COURSE OUTCOMES</b>						
1	Simulate the 8085 microprocessor.					
2	Implement the machine language programs to perform different operations.					
<b>Experiment Number</b>	<b>Experiment</b>					<b>Contact Hours</b>
1	a) Write a Machine Language Program to perform Addition of two numbers. b) Write a Machine Language Program to perform Subtraction of two numbers.					3
2	a) Write a Machine Language Program to perform Addition of n numbers. b) Write a Machine Language Program to generate n numbers.					3
3	a) Write a Machine Language Program to generate n Even numbers. b) Write a Machine Language Program to generate n Odd numbers.					3
4	a) Write a Machine Language Program to move data from one block to another block. b) Write a Machine Language Program to mask 4 high-order bits.					3
5	a) Write a Machine Language Program to read data at location 4400 and unpack data into 07, 0E and store in 4401 & 4402. b) Write a machine language program to subtract an array of elements to get positive result.					3
6	a) Write a Machine Language Program to Find largest element of an array. b) Write a Machine Language Program to Perform Linear Search operation.					3
7	a) Write a Machine Language Program to Find smallest element of an array. b) Write a Machine Language Program to Find largest value among two numbers.					3
8	a) Write a Machine Language Program to Find smallest value among two numbers. b) Write a Machine Language Program to find factorial of given number.					3
9	a) Write a Machine Language Program to generate Fibonacci Series. b) Write a Machine Language Program to convert a number from Hexadecimal to BCD.					3
10	a) Write a Machine Language Program to separate Even and Odd numbers. b) Write a Machine Language Program to find 1's Complement and 2's Complement of a number.					3
11	a) Write a Machine Language Program to perform addition of first n numbers. b) Write a Machine Language Program to perform Division of two 8-bit numbers.					3



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12	a) Write a Machine Language Program to Convert ASCII to Decimal and vice versa. b) Write a Machine Language Program to convert a number from Hexadecimal to Decimal.	3
CUMULATIVE PROPOSED PERIODS		36

	Name	Signature with Date
i. Faculty	Ms. U Jenny grace	u. Jenny
ii. Module Coordinator	Mr. Ch. R.K. Raju	
iii. Programme Coordinator	Dr. RVVSV Prasad	

Principal