KAKATIYA INSTITUTE OF TECHNOLOGY & SCIENCE, WARANGAL-15

DEPARTMENT OF PS AND M&H

No.   /PS/M&H/KITS/2024   Date: /09/2024

CIRCULAR

Sub: I Semester -Allotment of Practicum topics– Reg.

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INSTRUCTIONS

Students:

1. The students should meet immediately the allotted course faculty for practicum and start working on the practicum with the guidance of course faculty.

2. To complete the Practicum, the student shall work in laboratories under supervision of allotted course faculty, in the allotted hours in the classwork timetable and also outside the class work hours during weekdays.

Practicum/Course Faculty:

1. The course faculty are advised to guide the allotted students for practicum during the semester course work.

2. In case of any clash in respect of practicum slot and practicum-faculty classwork, the practicum faculty should allot 4.00 p.m. to 6.00 p.m. slot to their practicum students on any full day. The same shall be informed to the class teacher, for record

Following are the Practicum Topics allotted to the I Semester Students of 1CSM1 section
   Section: 1CSM1   Class Teacher :Dr.G.Manjulatha Devi

S. No	Roll Number of the Student	Practicum Topic Allotted	Practicum under the Course	Course Faculty
1	B24AI001	Analyzation of the Computational Complexity of Algorithms using Sequence and Series.	DCODE	Dr.R. Rajaiah
2	B24AI002	Generation of Random Numbers using Sequences and Series to the Field of Cryptography	DCODE	Dr.R. Rajaiah
3	B24AI003	Modeling Traffic Flow Using First-Order Differential Equations	DCODE	Dr.R. Rajaiah
4	B24AI004	Sensitivity Analysis of Network Output Using the Jacobian Matrix	DCODE	Dr.R. Rajaiah
5	B24AI005	Forecasting Financial Analysis Using Time-Series Models	DCODE	Dr.R. Rajaiah
6	B24AI006	Taylor Series for Finding the Optimal Points of a Function: A Machine Learning Approach	DCODE	Dr.R. Rajaiah

7	B24AI007	Application of Taylor Series in Deep Learning	DCODE	Dr.R. Rajaiah
8	B24AI008	Modeling Human Population Breeding Rate Using Fibonacci Sequence	DCODE	Dr.R. Rajaiah
9	B24AI009	Study of Multivariate Calculus for Machine Learning	DCODE	Dr.R. Rajaiah
10	B24AI010	Optimizing Machine Learning Models Using Differentiation Techniques	DCODE	Dr.R. Rajaiah
11	B24AI011	Analyzing Data Transmission, Packet Loss, and Network Delays Using Lagrange Mean Value Theorem	DCODE	Dr.R. Rajaiah
12	B24AI012	Optimization Algorithms using Jacobians	DCODE	Dr.R. Rajaiah
13	B24AI013	Analyzing the Flow of Current in an LCR Circuit Using Differential Equations	DCODE	Dr.R. Rajaiah
14	B24A1014	Analysis of Chlorinated Drinking water	EC	Dr.D.Prabhakara Chary
15	B24AI015	Effect of Idol immersion on pond water in Warangal	EC	Dr.D.Prabhakara Chary
16	B24AI016	Analysis of ozonated drinking water	EC	Dr.D.Prabhakara Chary
17	B24AI017	Purification of KITSW well water by Reverse Osmosis(RO)	EC	Dr.D.Prabhakara Chary
18	B24AI018	Characterization of nanoparticles using UV-Visible & IR spectroscopy.	EC	Dr.D.Prabhakara Chary
19	B24AI019	Effect of Agriculture Pesticides on lake water	EC	Dr.D.Prabhakara Chary
20	B24AI020	Analysis of effect of Fluoride in drinking water	EC	Dr.D.Prabhakara Chary
21	B24AI021	Analysis of sewage water and its treatment at Warangal	EC	Dr.D.Prabhakara Chary
22	B24AI022	Investigation of corrosion on Iron metal and its inhibition	EC	Dr.D.Prabhakara Chary
23	B24AI023	Soil analysis for agricultural purpose	EC	Dr.D.Prabhakara Chary
24	B24AI024	Effect of Cool drinks on human health	EC	Dr.D.Prabhakara Chary
25	B24AI025	Investigating the Electrochemical properties of Grapheme nanotubes	EC	Dr.D.Prabhakara Chary
26	B24AI026	Investigation of benefits of water stored in Copper Vessels	EC	Dr.D.Prabhakara Chary
27	B24AI027	4-Bit Binary Adder -Subtracter	STLD	Md.Abdul Muqueem
28	B24AI028	4-Bit Carry Look -Ahead Adder	STLD	Md.Abdul Muqueem
29	B24AI029	N-Bit Parallel Adder	STLD	Md.Abdul Muqueem
30	B24AI030	7- Segment Display Decoder (BCD to 7 Segment)	STLD	Md.Abdul Muqueem
31	B24AI031	Priority Encoder (8 to 3)	STLD	Md.Abdul Muqueem
32	B24AI032	4:1 Multiplexer Implementation of Boolean Function	STLD	Md.Abdul Muqueem

33	B24AI033	Full Adder Using Multiplexer	STLD	Md.Abdul Muqueem
34	B24AI034	4-Bit Synchronous Binary Counter	STLD	Md.Abdul Muqueem
35	B24AI035	4-Bit Asynchronous Binary Counter	STLD	Md.Abdul Muqueem
36	B24AI036	Johnson Counter	STLD	Md.Abdul Muqueem
37	B24AI037	SR Flip-Flop Implementation	STLD	Md.Abdul Muqueem
38	B24AI038	JK Flip-Flop Implementation	STLD	Md.Abdul Muqueem
39	B24AI039	Modulo-N Counters	STLD	Md.Abdul Muqueem
40	B24AI040	Word Scrambler: Exploring the Logic of Text Manipulation	PPSC	Prof M.Narasimha Reddy
41	B24AI041	Code Breaking-Robot Movement Simulation	PPSC	Prof M.Narasimha Reddy
42	B24AI042	User ID Generator Using PIN and Name	PPSC	Prof M.Narasimha Reddy
43	B24AI043	Addition and Subtraction of Two Numbers Present in String Form	PPSC	Prof M.Narasimha Reddy
44	B24AI044	Linear Regression Using Least Squares Method	PPSC	Prof M.Narasimha Reddy
45	B24AI045	Snake and Ladder Game Implementation	PPSC	Prof M.Narasimha Reddy
46	B24AI046	Implementation of Rock-Paper-Scissors Game	PPSC	Prof M.Narasimha Reddy
47	B24AI047	Number Format Conversion	PPSC	Prof M.Narasimha Reddy
48	B24AI048	Password Generator Using First Name, Last Name and Pin	PPSC	Prof M.Narasimha Reddy
49	B24AI049	Chi-Square Statistic for Test of Independence	PPSC	Prof M.Narasimha Reddy
50	B24AI050	Edge-Detection Simulation Using Sobel Operator	PPSC	Prof M.Narasimha Reddy
51	B24AI051	Implementation of Image Convulsion Using Matrices	PPSC	Prof M.Narasimha Reddy
52	B24AI052	Simulation of Histogram Equalization Using Matrices	PPSC	Prof M.Narasimha Reddy
53	B24AI053	Film as A Medium of Social Change- (Take any two films of your choice and make a clear analysis to prove the fact)	ESRW	Dr. G.Manjulatha Devi

54	B24AI054	Vocabulary Improvement Through Vocabulary Games	ESRW	Dr. G.Manjulatha Devi
55	B24AI055	Language Enhancement Through Picture Interpretations	ESRW	Dr. G.Manjulatha Devi
56	B24AI056	Impact of Stress, Nervousness and Diffidence on Communication	ESRW	Dr. G.Manjulatha Devi
57	B24AI057	Issues in Language Learning	ESRW	Dr. G.Manjulatha Devi
58	B24AI058	Testing Models of Language	ESRW	Dr. G.Manjulatha Devi
59	B24AI059	Theme of Sweet Memories of Childhood and Importance of Friendship in R.K.Narayan's Story 'Swamy and his Friends'	ESRW	Dr. G.Manjulatha Devi
60	B24AI060	Internet Access to Growth and Possibilities of Destruction	ESRW	Dr. G.Manjulatha Devi
61	B24AI061	Corruption and Individual Responsibility	ESRW	Dr. G.Manjulatha Devi
62	B24AI062	Importance Of Determination and Commitment in the Academic Life of Students	ESRW	Dr. G.Manjulatha Devi
63	B24AI063	Conversation Building Using Tenses	ESRW	Dr. G.Manjulatha Devi
64	B24AI064	Reading is Independent Learning	ESRW	Dr. G.Manjulatha Devi