

**CIRCULAR**

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

Allotment of Practicum topics to students

Section :2 ECE1

S.No.	Roll number of the student	Practicum topic allotted	Practicum under the course	Course faculty
1	B24EC001	Determination of the Conductivity of Different Electrolyte Solutions: A Comparative Study	U24CY202E (EC)	Dr.M.Gopi krishna
2	B24EC002	Comparative Study of the Conductometric Titration Behavior of Strong and Weak Electrolytes	U24CY202E (EC)	Dr.M.Gopi krishna
3	B24EC003	Design and Calibration of a pH Meter: Calibration Curve Construction and Application	U24CY202E (EC)	Dr.M.Gopi krishna
4	B24EC004	Study of the Relationship Between Concentration and Conductivity for Various Electrolytes	U24CY202E (EC)	Dr.M.Gopi krishna
5	B24EC005	Conductometric Titration of Mixtures of Strong and Weak Acids: Identifying the Equivalence Point	U24CY202E (EC)	Dr.M.Gopi krishna
6	B24EC006	Effect of Temperature on the Conductometric Titration Curves for Acid-Base Reactions	U24CY202E (EC)	Dr.M.Gopi krishna
7	B24EC007	Quantitative Measurement of pH Using Potentiometric Titration for Weak Acid-Strong Base Systems	U24CY202E (EC)	Dr.M.Gopi krishna
8	B24EC008	Study of the Relationship Between Hardness and Alkalinity in Different Water Samples	U24CY202E (EC)	Dr.M.Gopi krishna
9	B24EC009	Comparative Study of Alkalinity in Drinking Water vs. Industrial Wastewater	U24CY202E (EC)	Dr.M.Gopi krishna

10	B24EC010	Reverse Osmosis (RO) for Desalination: Operating Parameters and Water Recovery Efficiency	U24CY202E (EC)	Dr.M.Gopi krishna
11	B24EC011	Evaluation of Potable Water Quality by Measuring pH, Total Dissolved Solids (TDS), and Electrical Conductivity	U24CY202E (EC)	Dr.M.Gopi krishna
12	B24EC012	Comparative Study of Water Quality in Urban vs. Rural Water Sources Based on WHO Guidelines	U24CY202E (EC)	Dr.M.Gopi krishna
13	B24EC013	Development of a Hybrid Water Treatment System: Combining UV, RO, and Activated Carbon for Polluted Water	U24CY202E (EC)	Dr.M.Gopi krishna
14	B24EC014	Transistor as a switch	U24EC203 Electronic Circuits	Dr.B.Dhanalaxmi
15	B24EC015	To study Zener diode as voltage regulator	U24EC203 Electronic Circuits	Dr.B.Dhanalaxmi
16	B24EC016	Flashing LED using Transistors	U24EC203 Electronic Circuits	Dr.B.Dhanalaxmi
17	B24EC017	Water Level Indicator	U24EC203 Electronic Circuits	Dr.B.Dhanalaxmi
18	B24EC018	Traffic Light Controller	U24EC203 Electronic Circuits	Dr.B.Dhanalaxmi
19	B24EC019	Automatic solar light circuit	U24EC203 Electronic Circuits	Dr.B.Dhanalaxmi
20	B24EC020	Nonlinear wave shaping-Clippers	U24EC203 Electronic Circuits	Dr.B.Dhanalaxmi
21	B24EC021	Nonlinear wave shaping -Clampers	U24EC203 Electronic Circuits	Dr.B.Dhanalaxmi
22	B24EC022	FET as a switch	U24EC203 Electronic Circuits	Dr.B.Dhanalaxmi
23	B24EC023	Emitter Follower circuit	U24EC203 Electronic Circuits	Dr.B.Dhanalaxmi
24	B24EC024	Transistor as an Amplifier	U24EC203 Electronic Circuits	Dr.B.Dhanalaxmi
25	B24EC025	Transistor as an Oscillator	U24EC203	Dr.B.Dhanalaxmi

			Electronic Circuits	
26	B24EC026	SCR characteristics	U24EC203	Dr.B.Dhanalaxmi
			Electronic Circuits	
27	B24EC027	Design and implement Bus Reservation System using C programming	U24EC204 (DS)	Syed Zaheeruddin
28	B24EC028	Design and simulate the Hangman Game C programming	U24EC204 (DS)	Syed Zaheeruddin
29	B24EC029	Design and implement Cricket Score Board using C programming	U24EC204 (DS)	Syed Zaheeruddin
30	B24EC030	Design and implement Online Voting System using C programming	U24EC204 (DS)	Syed Zaheeruddin
31	B24EC031	Design Parking Lot Management System using C programming	U24EC204 (DS)	Syed Zaheeruddin
32	B24EC032	Design and implement Telecom Billing System	U24EC204 (DS)	Syed Zaheeruddin
33	B24EC033	Design a Calendar using C programming	U24EC204 (DS)	Syed Zaheeruddin
34	B24EC034	Design and implement a Priority Queue for a Task Scheduler using C prog	U24EC204 (DS)	Syed Zaheeruddin
35	B24EC035	Design and build a system to book tickets for events like concerts or sports	U24EC204 (DS)	Syed Zaheeruddin
36	B24EC036	Design and implement Online Food Delivery System using C programming	U24EC204 (DS)	Syed Zaheeruddin
37	B24EC037	Design a Snakes and Ladder Game using C programming	U24EC204 (DS)	Syed Zaheeruddin
38	B24EC038	Design and implement Number System Conversion using C prog	U24EC204 (DS)	Syed Zaheeruddin
39	B24EC039	Design a School Management System using C programming	U24EC204 (DS)	Syed Zaheeruddin
40	B24EC040	Exploring the motivational aspects of the poem "IF" by Rudyard Kipling to enhance students' resilience and perseverance	U24MH205 (ECRW)	Dr.W. Grace Shanthi

41	B24EC041	Role of social media in developing communication skills among the students	U24MH205 (ECRW)	Dr.W. Grace Shanthi
42	B24EC042	Exploring the Significance of "Folk Dances" with a special focus on Lambadi Dance of Telangana region	U24MH205 (ECRW)	Dr.W. Grace Shanthi
43	B24EC043	Exploring the Significance of "Folk Dances" with a special focus on "Dollu Kunitha" dance form of Karnataka.	U24MH205 (ECRW)	Dr.W. Grace Shanthi
44	B24EC044	Exploring traditional music with a specific focus on Carnaticmusic	U24MH205 (ECRW)	Dr.W. Grace Shanthi
45	B24EC045	A Study of Harvest Festivals worldwide	U24MH205 (ECRW)	Dr.W. Grace Shanthi
46	B24EC046	The Role of Traditional Folk Instruments in Shaping Cultural Heritage	U24MH205 (ECRW)	Dr.W. Grace Shanthi
47	B24EC047	Exploring Unique Wedding Rituals with a specific focus on Northeastern region	U24MH205 (ECRW)	Dr.W. Grace Shanthi
48	B24EC048	The Study of the Cultural Heritage and Craftsmanship behind Pochampalli and Gadwal Sarees of Telangana state	U24MH205 (ECRW)	Dr.W. Grace Shanthi
49	B24EC049	The role of Traditional Art forms in safeguarding Cultural Heritage with specific focus on Tanjore painting and Gond painting	U24MH205 (ECRW)	Dr.W. Grace Shanthi
50	B24EC050	To study the different types of Bengal woven sarees	U24MH205 (ECRW)	Dr.W. Grace Shanthi
51	B24EC051	The impact of Technology in enhancing English language learning	U24MH205 (ECRW)	Dr.W. Grace Shanthi
52	B24EC052	Analysis of a Electrical Circuit using Eigen values and Eigenvectors	U24MH201 (MTVC)	Dr.K. Venumadav
53	B24EC053	Application of system of equations to Electrical Circuit	U24MH201 (MTVC)	Dr.K. Venumadav
54	B24EC054	Gradient Applications in Communication Engineering	U24MH201 (MTVC)	Dr.K. Venumadav

55	B24EC055	Real-World Problem on Gradient Applications	U24MH201 (MTVC)	Dr.K. Venumadav
56	B24EC056	Applications of Divergence in Communication Engineering	U24MH201 (MTVC)	Dr.K. Venumadav
57	B24EC057	Modelling the Flow of a Fluid using Triple Integrals	U24MH201 (MTVC)	Dr.K. Venumadav
58	B24EC058	Application of Double integral to find the area of a region	U24MH201 (MTVC)	Dr.K. Venumadav
59	B24EC059	Application of Vector Differentiation in Atmospheric Science to Analyze Wind Patterns	U24MH201 (MTVC)	Dr.K. Venumadav
60	B24EC060	Application of Gradient, Divergence, and Curl of Velocity Field in a Pipe Flow to Characterize the Flow	U24MH201 (MTVC)	Dr.K. Venumadav
61	B24EC061	Application of Divergence -Velocity Field in a Pipe Flow to determine the Source/Sink	U24MH201 (MTVC)	Dr.K. Venumadav
62	B24EC062	Application of Gradient, Divergence, and Curl of the Electric and Magnetic Fields around a Charged Particle to analyze Electromagnetic Field	U24MH201 (MTVC)	Dr.K. Venumadav
63	B24EC063	Application of Line Integral in Electric Field to Calculate the Electric Potential Difference between Two Points	U24MH201 (MTVC)	Dr.K. Venumadav
64	B24EC064	Application of Green's Theorem to Electric Circuits-A Study on Mesh Analysis	U24MH201 (MTVC)	Dr.K. Venumadav

Note:

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

(Signature of class teacher)