

NTR GOVT. DEGREE COLLEGE FOR WOMEN,
MAHABUBNAGAR

DEPARTMENT OF PHYSICS

CERTIFICATE COURSE

BASICS OF ELECTRICAL CIRCUIT
NETWORKING 2022-23

To

The Principal

NTR Govt. Degree College For Women,

Mahabubnagar,

Sir,

Sub: Permission to start Certificate Course in “Basics Of
Electrical Circuit Networking” for the students of
NTR GDC(W),Mahabubnagar -Req-Reg


The Department of Physics is going to start one month
Interdisciplinary Certificate Course in “ **Basics Of Electrical Circuit
Networking**”. This is a one month course from 13-04-2023 to
12-05-2023.

Hence I request you sir to give me permission to start the
certificate course.

Thanking you sir


INCHARGE

Department of Physics


PRINCIPAL
PRINCIPAL
N.T.R.G.D.C.(W)
Mahabubnagar.

DATE:03-04-2023

NOTICE

It is hereby informed that, the Department of Physics is offering Interdisciplinary Certificate Course on “**Basics Of Electrical Circuit Networking**” for the academic year 2022- 2023.

All the students of B.A, B.Sc. ,B.Com. are eligible to apply for above course. The interested candidates can contact Smt. Surayya Jabeen, Assistant Professor of Physics, Department of Physics to register their names on or before 11-04-2023. This is one month Certificate course from 13-04-2023 to 12-05-2023.



INCHARGE

Department of Physics



PRINCIPAL

PRINCIPAL
N.T.R.G.D.C.(W)
Mahabubnagar.

Certificate course

NTR GOVT DEGREE COLLEGE FOR WOMEN

(Accredited by NAAC with "B" Grade)



MAHABUBNAGAR-T.S

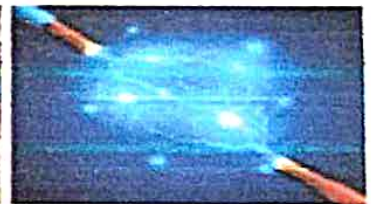
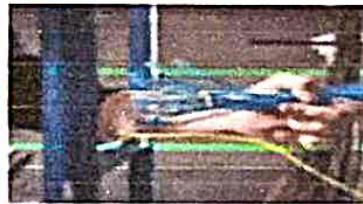
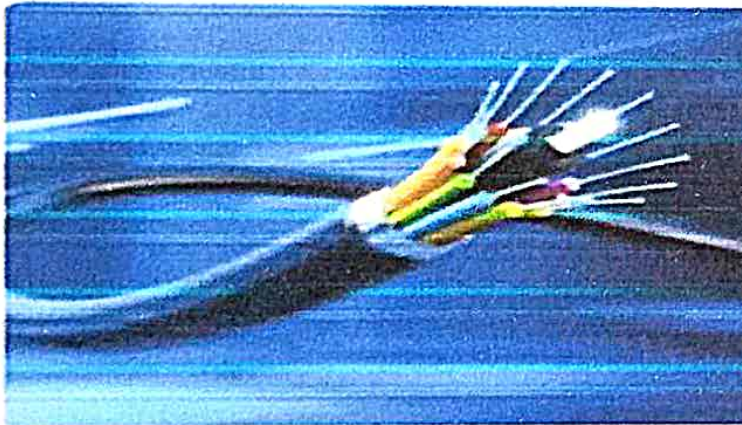
2022-23



DEPARTMENT OF PHYSICS

**CERTIFICATE COURSE
BASICS OF ELECTRICAL
CIRCUIT NETWORK**

(13.04.2023 to 12.05.2023)



Course Coordinator
Surayya jabeen

Principal
Sri Pada Gangadhar (FAC)

Brochure

DEPARTMENT OF PHYSICS
CERTIFICATE COURSE ON
“BASICS OF ELECTRICAL CIRCUIT NETWORKING”

AIMS: Learning of wiring and soldering for joining metal parts to form a mechanical or certain electrical connection

OBJECTIVES: To develop an understanding of the basic electric concepts & elements of electrical circuits, to learn techniques & to get hand on learning experience of wiring & soldering.

OUTCOMES: Apply the knowledge of basic circuit laws & simplify the DC & AC network using reduction techniques & to analyze electrical network parameter for different applications.

ABOUT THE COURSE:

An Electrical Network is an interconnection of electrical components or a model of such an interconnection, consisting of electrical elements.

This course is designed to impart a basic information regarding Types of cables, types of connection, basic circuit elements.

Students will get an opportunity to do mesh connections by inserting different circuit elements according to basic principles of electronics & to get hand on learning experience of wiring and soldering.

Syllabus of the course

S. No.	Month	Week	Name of the Topic
1.	April	I Week	Basic electricity principles, AC & DC, Multimeter, Voltmeter, Ammeter
2.	April	II Week	Main electrical circuit elements, Electrical drawing & Symbols
3.	April, May	III Week	Electrical wiring, Insulation, Types of cables, star & Delta connections, soldering
4.	May	IV Week	Electrical protection: Relays, Fuses, Switches, Circuit breakers

Teaching Faculty:

1. Surayya Jabeen, Ass. Prof. Physics
2. A. Keshavardhan Goud, Lecturer in Physics
3. K. Manjula, Lecturer in Physics
4. S. Anand, Mechanic

Enrollment of The Students

S.NO	CLASS & GROUP	ROLL NO	Name of the Student
1.	MPCs III Year	20033030441005	A. Pravalika
2	MPCs III Year	20033030468013	B. Bindu
3	MPCs III Year	20033030468019	B. Shirisha
4	MPCs III Year	20033030468024	B. Sravani
5	MPCs III Year	20033030468031	C. Vanitha
6	MPCs III Year	20033030468035	D. Soni
7	MPCs III Year	20033030468053	J. Anusha
8	MPCs III Year	20033030468067	K. Sravani
9	MPCs III Year	20033030468074	K. Sneha Latha
10	MPCs III Year	20033030468076	K. Bharathi
11	MPCs III Year	20033030468091	Meraj Fathima
12	MPCs III Year	20033030468096	MK. Deepika
13	MPCs III Year	20033030468108	M. Vijaya Laxmi
14	MPCs III Year	20033030468121	P. Madhavi
15	MPCs III Year	20033030468129	P. Malavika
16	MPCs III Year	20033030468135	Sania Mubeen
17	MPCs III Year	20033030468141	C. Shireesha
18	MPCs III Year	20033030468143	S. Ashwini
19	MPCs III Year	20033030468153	V. Harika Sagar
20	MPCs III Year	20033030468154	V. Maheshwari
21	MPCs III Year	17033030468027	K. Swapnika
22	MPCs III Year	20033011468010	V. Anitha
23	MPC III Year	20033030441005	B. Aishwarya
24	MPCIII Year	20033030441008	B. Mamatha
25	MPC III Year	20033030441018	G. Shirisha
26	MPC III Year	20033030441022	J. Sathya mma
27	MPC III Year	20033030441029	K. Mamatha
28	MPC III Year	20033030441036	Md. Anees
29	MPC III Year	20033030441045	Nuzhat begum
30	MPC III Year	20033030441055	Sania Tabassum
31	MPC III Year	20033030441061	Sumaya Anjum
32	MPCIII Year	20033030441067	V. Shrija
33	MPS III Year	20033030443004	M. Shireesha

STUDENTS ATTENDANCE

Roll No	NAME OF THE STUDENT	Date																												
		13	14	15	16	17	18	19	20	21	22	23	24	25																
200330001	A. Praveena	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25				
083	B. Rishi	1	2	2	2	4	5	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25				
010	R. Shweta	1	2	3	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25			
020	R. Sanyasi	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25				
021	C. Anitha	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25				
018	D. Anil	1	2	2	4	5	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25					
053	J. Anusha	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25				
067	J. Sanyasi	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25				
070	K. Snehalatha	1	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25			
076	L. Anusha	1	1	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25		
091	Murali Lakshmi	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25				
096	M. Divyika	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25				
108	M. Anitha Lakshmi	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25				
121	P. Madhavi	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25				
120	P. Malavika	1	2	3	3	4	5	6	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25		
125	Sanja Mukherjee	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25				
127	C. Shreeshha	1	1	2	3	4	5	6	7	8	9	9	9	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
123	S. Anshuini	1	2	3	4	5	6	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25			
153	V. Harika Sagar	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25				
160	V. Mahalakshmi	1	1	1	2	3	4	5	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	
170330007	I. Sumanika	1	2	3	3	4	4	5	6	7	7	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
200330010	V. Anitha	1	2	3	3	4	5	6	6	7	8	9	9	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
20033001005	B. Anishwarya	1	2	3	4	5	6	6	7	8	9	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25		
005	B. Mamatha	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25				
012	G. Shweta	1	1	2	3	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25		
022	J. Sathyaamma	1	2	3	3	4	4	5	6	7	8	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	
029	K. Mamatha	1	2	2	2	3	4	5	6	6	7	8	9	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
036	Md. Anis	1	2	3	4	4	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25		
045	Muzaf Begum	1	2	3	4	5	6	7	8	8	9	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25		
055	Sanja Tahajum	1	2	3	4	5	6	6	7	7	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	
061	Sumaya Anjum	1	2	2	3	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25		
067	V. Shriya	1	2	3	4	4	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25		
200330043004	M. Shreeshha	1	2	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25			



Demonstration of soldering



Inserting of Diodes



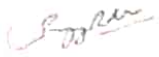
**NTR GOVERNMENT DEGREE COLLEGE FOR WOMEN
MAHABUBNAGAR**

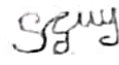
Accredited by NAAC with 'B' Grade (AICTE 2017, 2020, 2023)
Affiliated to Palamuru University



Department of Physics
Certificate

This is to certify that *J Anusha, B.Sc(MPCs) Roll NO : 20033030468053*
has successfully completed certificate course on " **Basics of Electrical Circuit Networking**" conducted
from 13.04.2023 to 12.05.2023.


Smt. Surayya Jabeen
Head dept of Physics


S Gangadhar
Principal(FAC)

