

**KRR GOVT. ARTS & SCIENCE COLLEGE,
KODAD**

DIST: SURYAPET-508206

BASICS IN ELECTRONICS

CERTIFICATE COURSE IN PHYSICS



ACADEMIC YEAR 2021-22

[FROM 01-02-2022 TO 22-02-2022]

PRINCIPAL
KRR. Govt. Arts & Science College
No. 508 206, Suryapet Dt.(T.S.)

DEPARTMENT OF PHYSICS

KRR GOVT. ARTS & SCIENCE COLLEGE, KODAD-508206 DIST: SURYAPET
CERTIFICATE COURSE IN PHYSICS
PERMISSION LETTER

Date: 28/01/2022

TO

The Principal,
KRR GASC, Kodad,
Suryapet Dist.,
Telangana State.

Respected Sir,

Sub:- Seeking Permission to conduct a Certificate Course on
"Basics in Electronics" in our college Req- Reg.

The Department of Physics is going to conduct a Certificate course on
"Basics in Electronics" for B.sc, B.com & B.A. III Year students Dated from 01/02/2022 to
22/02/2022. So, please permit me to conduct successfully.

Permitted
Hf

Sury
Yours Sincerely
A. Sumalatha
HEAD
Department of Physics
KRR Govt. Arts & Science College
KODAD, Suryapet (Dt.) - 508 206.

KRR GOVT. ARTS & SCIENCE COLLEGE, KODAD

Suryapet Dist.Telangana State.

Department of Physics

NOTICE

Date: 28/01/2022

It is informed to the students that the Department of Physics is going to conduct certificate course on Basics in Electronics. Dated from 01/02/2022 to 22/02/2022. Hence who are interested to join the certificate course enrol your names in the Department of Physics.


Head

Department of Physics
HEAD
Department of Physics
KRR Govt. Arts & Science College
KODAD, Suryapet (DL) - 508 206.


Principal

PRINCIPAL
K.R.R. Govt. Arts & Science College
Kodada-508 206, Suryapet Dt.(T.S.)

SYLLABUS

UNIT 1:

BASIC ELECTRICITY PRINCIPLES

UNIT 2:

UNDERSTANDING ELECTRICAL CIRCUITS

UNIT 3:

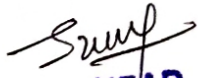
ELECTRICAL DRAWING AND SYMBOLS

UNIT 4:

ELECTRICAL PROTECTION

UNIT 5:

ELECTRICAL WIRING


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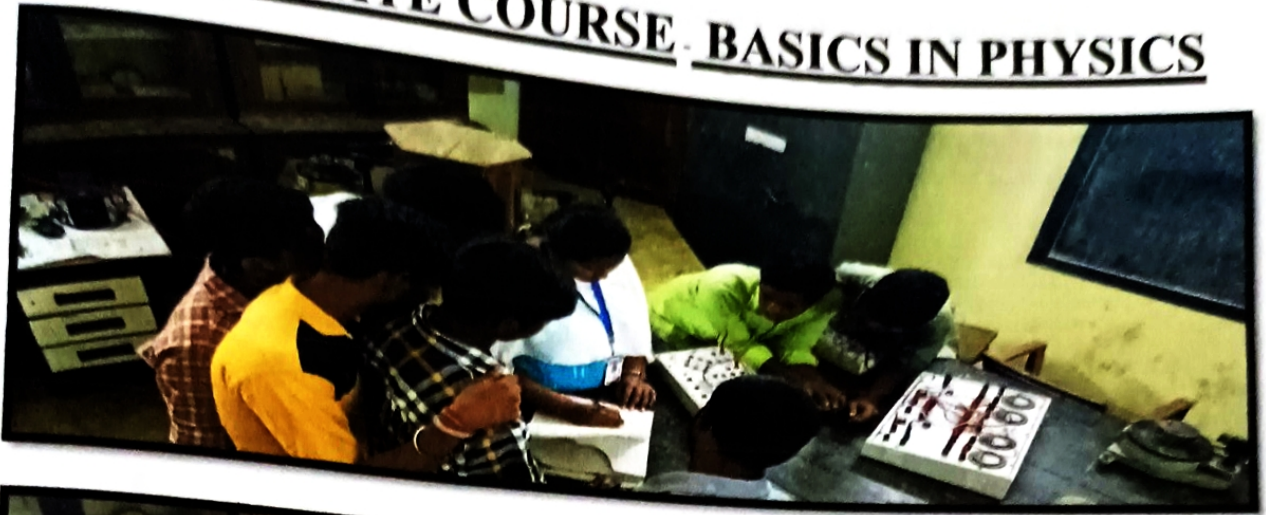
KRR GOVT.ARTS & SCIENCE COLLEGE, KODAD
Department Of Physics
CERTIFICATE COURSE BASICS IN ELECTRONICS
Resource Person: Smt. A Sumalatha , Lecturer in Physics

OBJECTIVES OF BASICS IN ELECTRONICS

- Understands what Electricity principles and like to know electricity circuits. Knows the basic electric drawing and symbols
- Understands the basic concepts of electricity and circuits
- Can read simplified circuit diagrams and create circuits with them
- Knows how to use basic types of electronic components (LED, servo motor, piezo speaker, resistor, push button, different switches, LED, potentiometer)
- Understands the difference between analog and digital input
- Understands the difference between analog and digital output


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CERTIFICATE COURSE - BASICS IN PHYSICS



KRR GOVT. ARTS & SCIENCE COLLEGE, KODAD-508206 DIST: SURYAPETA

ATTENDANCE OF THE STUDENTS OF CERTIFICATE COURSE ON BASICS IN ELECTRONICS : 2021-22

From 01/02/2022 to 22/02/2022.

S.N	H.NO	NAME	1	2	4	7	8	9	10	11	14	15	16	17	18	21	22
1	19044019405001	B. Koteswara Rao	✓	✓	✓	✓	✓	A	✓	✓	✓	✓	✓	✓	✓	✓	✓
2	007	D. Vasalanmi	✓	✓	✓	A	✓	✓	✓	✓	✓	A	✓	✓	✓	✓	✓
3	016	M. Anusha	✓	✓	A	✓	✓	✓	✓	✓	✓	✓	A	✓	✓	✓	✓
4	017	M. Mounika	✓	✓	✓	✓	✓	✓	✓	A	✓	✓	✓	✓	✓	✓	✓
5	023	P. Surendhas	✓	✓	✓	✓	A	✓	✓	✓	✓	✓	✓	A	✓	✓	✓
6	024	R. Hasi Prasad	✓	A	✓	✓	✓	✓	✓	✓	A	✓	✓	✓	✓	✓	✓
7	027	SK. Sameer	✓	✓	✓	✓	✓	✓	A	✓	✓	✓	✓	✓	✓	✓	✓
8	19044019129504	B. Krishna	✓	✓	A	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	A	✓
9	512	B. Priyanka	✓	✓	✓	✓	✓	A	✓	✓	✓	✓	✓	✓	✓	✓	✓
10	537	K. Sathish	✓	✓	A	A	✓	✓	✓	✓	✓	A	✓	✓	A	✓	✓
11	544	M. Arun Kumar	✓	✓	✓	✓	✓	A	✓	✓	✓	✓	✓	✓	✓	✓	✓
12	550	N. Prasanna Kumar	✓	A	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
13	557	S. Shiricha	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
14	560	T. Navakanth	✓	A	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
15	19044019445011	A. Rajitha	✓	✓	✓	✓	✓	✓	A	✓	✓	✓	✓	✓	✓	✓	✓
16	005	D. Karthik	✓	✓	A	✓	✓	✓	✓	✓	✓	A	✓	A	✓	✓	✓
17	006	G. Anusha	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
18	010	P. Lavanya	✓	✓	✓	A	✓	✓	✓	A	✓	✓	✓	✓	✓	✓	✓
19	501	A. Neelima	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	A
20	510	U. Venu	✓	✓	✓	✓	✓	✓	✓	✓	A	✓	✓	✓	✓	✓	✓

Sumy

Signature of the course Co-Ordinator

HEAD

Department of Physics
KRR Govt. Arts & Science College
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HJS

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Department Of Physics
CERTIFICATE COURSE BASICS IN ELECTRONICS

OUTCOME REPORT OF BASICS IN ELECTRONICS

➤ Apply concepts of electrical components, electrical circuits and DC circuit elements.

➤ Create series & parallel circuit & sourced electrical circuits (KCL, KVL)

Distinguish between Single phase and three phase AC sources AC & DC motors demonstrate the operating principle of relays fuses and disconnect switches & circuits.

➤ Compute different parameters for characterising different circuits

Employ the concept of heaters and motors speed & power of ac motor

Familiarization in millimetre, voltmeter and ammeter



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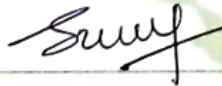
KODAD, DIST: SURYAPET, TELANGANA

(AFFILIATED TO MAHATMA GANDHI UNIVERSITY)

Department of Physics

CERTIFICATE OF APPRECIATION

THIS IS TO CERTIFY THAT MR./MRS D. Varalanmi S/O,
D/O _____ CLASS B. Com III year HAS PARTICIPATED
IN CERTIFICATE COURSE ON "BASICS IN ELECTRONICS" CONDUCTED ON
01/02/2022 (To) 22/02/2022 BY THE DEPARTMENT OF PHYSICS.



HOD



Principal