

Andhra Christian college
GUNTUR
DEPARTMENT OF PHYSICS

Date: 10-11-2020

NOTICE

It is Notified for All concerned that Andhra Christian College, Guntur, is going to start a Certificate course on "LED BULB ASSEMBLING, USAGE & APPLICATIONS" very soon for 1st B.Sc, 2nd B.Sc & 3rd B.Sc students for their benefits in the near future.

The last date of enrolment is: 14th Nov,2020

Course Coordinator: **Dr. M. Ratna Raju**, Lecturer, Department of Physics

Note:

1. The course is free of cost and the successful candidates will be issued certificates by college which will help them in future.
2. Admission is on First come First Serve Basis. Number of seats is limited.


Head of the Department
(Department of physics)
Department of Physics
A.C. College Guntur.


PRINCIPAL
ANDHRA CHRISTIAN COLLEGE
(Day, Evening & P.G)
GUNTUR
Principal

CERTIFICATE COURSE 2020-21

Department Conducts a Certificate course on “LED BULB ASSEMBLING, USAGE AND APPLICATIONS”. The Duration of the Course is 30 hours. This course will provide the students an idea of basics of LED bulbs and practical sessions on assembling and service of LED bulbs.

SYLLABUS

MODULE I

10 hours

Diodes- basic concepts, Biasing-forward bias and reverse bias, Introduction to LEDs, Semiconductor LEDs- How do they Work, LED’s basic theory, LED Voltage and current, Advantages and disadvantages of LED

MODULE II

10 hours

Multicolour LEDs, White LED, Physics of White LED, White LED no heat, Blue LED- History of Revolutions, LEDs Lighting and Potential for energy savings, Applications of LEDs- Power indicator, seven segment display, why LED lights so good, Organic LEDs

MODULE III – Practical Session

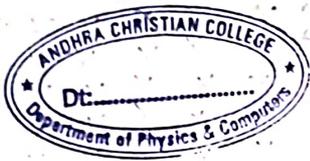
10 hours

How to assemble LED bulbs, Discussion of the circuits, Fabrication of the LED bulbs

Text book for study

1. Principles of Electronics- V.K Metha-S. Chand Publication
2. Principles and Applications of Organic Light Emitting Diodes (OLEDs)- Thejo Kalyani, Hendrik Swart and S.J.Dhoble-Wiley Publication
3. Understanding LED Illumination – M. Nisa Khan
4. Integrated Electronics- Jacob Millman,Christos Halkias,Chetan D. Parikh- second edition

contact@mtcc.ac.in



Andhra Christian college

Guntur

ADD-ON CERTIFICATE COURSE

DEPARTMENT OF PHYSICS

ATTENDANCE REPORT

COURSE NAME LED Bulb Assembling Usage and Application

Academic year: 2020-2021

Timings: 3:00 PM to 5:00 PM

Total hours: 30 hours

S.NO	CL NO	NAME OF THE STUDENT	CLASS	16 ¹¹ / ₂₀	17 ¹¹ / ₂₀	18 ¹¹ / ₂₀	19 ¹¹ / ₂₀	20 ¹¹ / ₂₀	21 ¹¹ / ₂₀	23 ¹¹ / ₂₀	24 ¹¹ / ₂₀	25 ¹¹ / ₂₀	26 ¹¹ / ₂₀	27 ¹¹ / ₂₀	28 ¹¹ / ₂₀	29 ¹¹ / ₂₀	01 ¹² / ₂₀	02 ¹² / ₂₀	Sign of Student
				Day-1	Day-2	Day-3	Day-4	Day-5	Day-6	Day-7	Day-8	Day-9	Day-10	Day-11	Day-12	Day-13	Day-14	Day-15	
1	601	B. Shyam Kumar	I. B. Sc	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	B. Shyam Kumar
2	602	B. Naveen Kumar	I. B. Sc	X	X	X	X	X	X	X	X	A	X	X	X	X	A	X	B. Naveen Kumar
3	603	Gr. Nagaraju	I. B. Sc	X	X	A	X	X	X	X	X	X	X	X	X	X	X	X	Gr. Nagaraju
4	604	B. Naveesh	I. B. Sc	X	X	X	X	X	X	X	X	X	A	X	X	X	X	X	B. Naveesh
5	605	M. Mahendra Babu	I. B. Sc	A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	M. Mahendra Babu
6	606	N. Gopi Naik	I. B. Sc	X	X	X	X	X	X	X	X	X	X	X	A	X	X	X	N. Gopi Naik
7	608	N. Psem Babu	I. B. Sc	X	X	X	X	X	X	X	X	A	X	X	X	X	X	X	N. Psem Babu
8	609	S. Revanth Siva	T. B. Sc	X	X	X	X	X	X	X	X	X	X	X	X	A	X	X	S. Revanth Siva
9	610	M. Nageswara Rao	I. B. Sc	X	X	X	A	X	X	X	X	X	X	X	X	X	X	X	M. Nageswara Rao
10	611	Nithin Chandrabose	I. B. Sc	X	X	X	X	X	X	X	X	X	X	X	A	X	X	X	Nithin Chandrabose
11	613	Sk. Abid Hussain	I. B. Sc	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	Sk. Abid Hussain

36	616	P. Venkata Rao	II.B.Sc	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	P. Venkata Rao
37	617	K. Praveen Kumar	II.B.Sc	X	X	X	X	X	A	X	X	X	X	X	X	X	X	X	K. Praveen Kumar
38	618	R. Bhaktha Singh	II.B.Sc	X	X	X	X	X	A	X	X	X	A	X	A	X	X	X	R. Bhaktha Singh
39	620	sk. Hasan Ali	II.B.Sc	X	X	X	A	A	X	X	X	X	X	X	X	X	X	X	T. Jaswanth Reddy
40	621	T. Jaswanth Reddy	II.B.Sc	A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	K. Vamsi
41	622	K. Vamsi	II.B.Sc	X	X	X	X	X	X	X	X	X	X	X	X	A	X	X	K. Vamsi
42	623	J. Jagadesh	II.B.Sc	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	J. Jagadesh
43	624	G. Nani Babu	II.B.Sc	X	X	X	X	X	X	X	A	X	X	X	X	X	X	X	G. Nani Babu
44	625	T. Sivapurnachandrababu	II.B.Sc	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	T. Sivapurnachandrababu
45	626	K. Avinash Babu	II.B.Sc	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	K. Avinash Babu
46	627	H. Sivamahesh Naidu	II.B.Sc	X	X	X	A	X	X	A	X	X	X	X	X	X	X	X	M. Sivamahesh Naidu
47	628	D. Sai Kiran	II.B.Sc	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	D. Sai Kiran
48	629	M. Ramanjaneyulu	II.B.Sc	A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	M. Ramanjaneyulu
49	630	T. Santhwik	II.B.Sc	X	X	X	X	X	X	X	X	X	X	X	X	X	A	A	T. Santhwik
50	631	N. K. Prakash	II.B.Sc	X	X	X	A	X	X	X	X	X	X	X	X	X	X	X	N. K. Prakash
51	632	Adusumalli Prakash Babu	II.B.Sc	X	X	X	X	X	X	X	X	A	X	X	X	X	X	X	Adusumalli Prakash Babu
52	633	S. Vamsi	II.B.Sc	X	X	X	X	X	X	X	X	A	X	X	X	X	X	X	S. Vamsi
53	634	V. Yadidya Kumar	II.B.Sc	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	V. Yadidya Kumar
54	635	T. Veera Prasad	II.B.Sc	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	T. Veera Prasad
55	636	D. Ravindra Babu	II.B.Sc	X	X	X	X	X	X	X	X	A	X	A	A	X	A	X	D. Ravindra Babu
56	637	M. Yellesh Reddy	II.B.Sc	X	X	X	X	A	X	X	X	X	X	X	X	X	X	X	M. Yellesh Reddy
57	638	Ch. Vivek	II.B.Sc	X	X	X	X	A	X	X	X	X	X	X	X	X	X	X	Ch. Vivek
58	639	K. Ayyappa	II.B.Sc	X	X	X	X	X	X	A	X	X	X	X	X	X	X	X	K. Ayyappa
59	640	V. Sri Varun	II.B.Sc	X	X	X	A	X	X	A	X	X	X	X	X	X	X	X	V. Sri Varun

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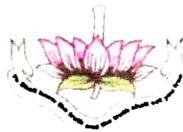
60	702	N. Yehoshuva	II.B.sc	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	Y. Yehoshuva
61	703	B. Yeno shu	II.B.sc	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	B. Yeno shu
62	704	V. Joseph Raju	II.B.sc	X	X	A	X	X	X	X	X	X	X	X	X	X	X	X	X	V. Joseph Raju
63	705	P. Chanti	II.B.sc	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	P. Chanti
64	706	J. Rama Rao	II.B.sc	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	J. Rama Rao
65	707	M. Satish	II.B.sc	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	M. Satish
66	708	V. Gopi	II.B.sc	X	A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	V. Gopi
67	709	N. Siva Kati	II.B.sc	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	N. Siva Kati
68	710	B. Raja sekhari	II.B.sc	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	B. Raja sekhari
69	711	R. Venkata Rao	II.B.sc	X	X	X	A	X	X	X	X	X	X	X	X	X	X	X	X	R. Venkata Rao
70	712	M. Lakshmi Nivas	II.B.sc	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	M. Lakshmi Nivas
71	713	P. Sekhar	II.B.sc	A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	P. Sekhar
72	714	R. Vijaya Babu	II.B.sc	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	R. Vijaya Babu
73	715	B. Manideep	II.B.sc	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	B. Manideep
74	716	V. Rajyalakshmi	II.B.sc	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	V. Rajyalakshmi
75	602	M. Vasiramma	III.B.sc	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	M. Vasiramma
76	603	S. Mahalakshmi	III.B.sc	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	S. Mahalakshmi
78	604	T. Manoja	III.B.sc	X	X	X	X	A	A	X	X	X	X	X	X	X	X	X	X	T. Manoja
79	605	B. Jyothi.M	III.B.sc	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	B. Jyothi.M
80	606	Ch. Babu Rao	III.B.sc	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	Ch. Babu Rao
81	607	J. Sunel	III.B.sc	A	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	J. Sunel
82	608	V. Nagendra Ganes	III.B.sc	X	X	A	X	X	X	X	X	X	X	X	X	X	X	X	X	M. Satish
83	609	M. Satish	III.B.sc	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	M. Satish
84	610	Ch. Loveprassana	III.B.sc	X	X	A	X	X	X	X	X	X	X	X	X	X	X	X	X	Ch. Loveprassana

T. Retna R HOD
Department of Physics
A.C. College, Guntur.

PRINCIPAL
ANDHRA CHRISTIAN COLLEGE
(Day, Evening & P.G)
GUNTUR

"Ye shall know the Truth and the Truth shall set you free"
Andhra Christian College, Guntur

(Day, II Shift & P. G.)
Accredited with A-grade by NAAC



Estd. 1885

CERTIFICATE

This is to certify that Mr. / Ms. D. YAKOBU,

Class IIIrd B.Sc, Regd. No. 623 has participated and successfully completed
Certificate Course in LED BULB ASSEMBLING, USES AND APPLICATIONS conducted by the
Department of Physics from 16-11-2020 to 02-12-2020 and obtained Grade 19/20 (A)


Dr. M. RATNA RAJU
M.Sc (Tech), Ph.D, M.Th.
Head of the Dept. of
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Warden, Wolf Hall Hostel,
ANDHRA CHRISTIAN COLLEGE
GUNTUR-522 001, A. P.
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Principal