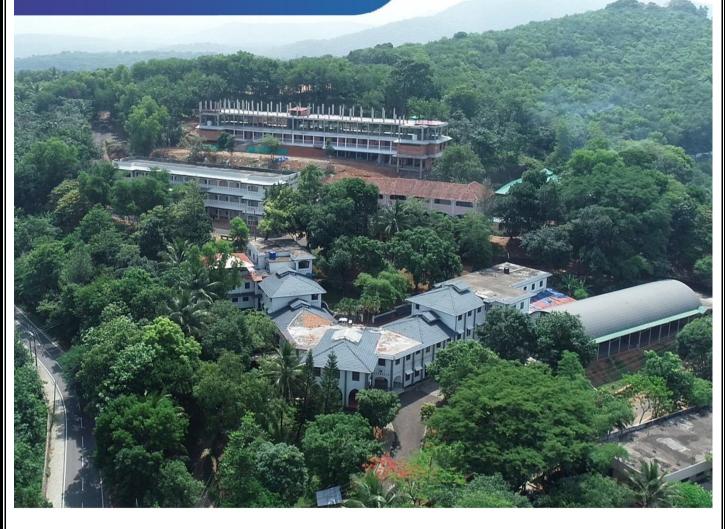


MES COLLEGE ERUMELY

ADD-ON COURSE LED BULB ASSEMBLING





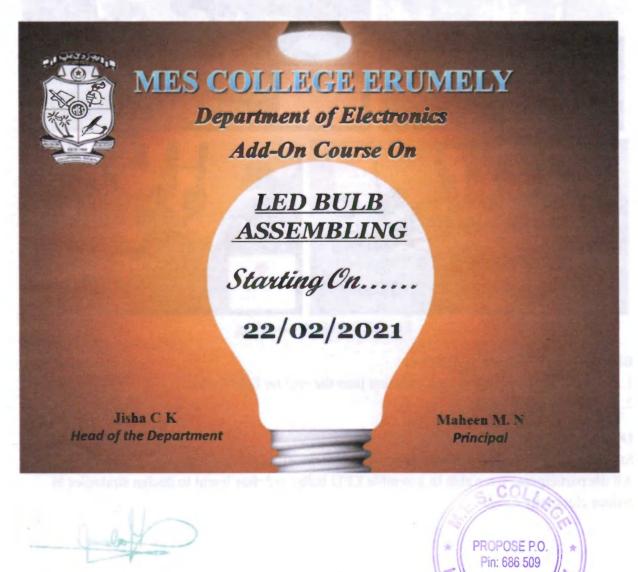


MES COLLEGE ERUMELY

DEPARTMENT OF ELECTRONICS ADD ON COURSE (2020-21) LED BULB ASSEMBLING

The department of Electronics conducted an add-on course on LED bulb assembling during the academic year 2020-21. The duration of this course is 30hrs and one hour training was given daily after the regular class hours .20 students of P.G and U.G classes were participated in this course. All the raw materials were purchased by contacting a dealer directly and the students assembled those parts by parts. The LED board, aluminium heatsink plate, plastic housing and the metal caps are the main parts required to assemble LED bulbs. We assembled 100 numbers of 9w LED bulbs.

BROCHURE



1M

SYLLABUS

Fundamentals of LED

Introduction, Types, operation, energy-efficient aspects

Practical Session

Hands on training, identification of parts like LED board, Aluminum heat sink plate, heatsink compound, plastic housing and metal cap Soldering practice

OBJECTIVES

- 1. To familiarize the students with parts and parts assembling of LED bulbs
- 2. To empower students with technical skills needed for industry as well as day-to-day life.
- 3. To enhance the employability of students
- 4. To sensitize students towards green technologies and make students socially responsible.



Fig: LED Bulb Assembling

BENEFITS OF LED LIGHTING

- 1. Long lasting and more energy efficient than the regular light bulbs.
- 2. Environmental friendly.

OUTCOME OF THE COURSE

Students were able to appreciate the need for energy efficient devices. All the participants were able to assemble LED bulbs and thus learnt to design strategies to reduce electricity usage.

> PROPOSE P.O Pin: 686 509

> > AM

NCIPAL M.E.S COLLEGE ERUMELY

ADD ON COURSE (2020-21)

LED BULB ASSEMBLING

Participants List

LA PARA PARA	istalstefültetti	22/2/2021	23/2/2021	24/2/2021	25/2/2021	26/2/2021	1/3/2021	2/3/2021	3/3/2021	4/3/2021	5/3/2021	8/3/2021	9/3/2021	10/3/2021	12/3/2021	15/3/2021	16/3/2021	17/3/2021	18/3/2021	19/3/2021	22/3/2021	23/3/2021	24/3/2021	25/3/2021	26/3/2021	5/4/2021	6/4/2021	7/4/2021	8/4/2021	9/4/2021	10/4/2021
	Mark Ebeena E.	Nor	Mar	m	(A)	m.	ANY	mb	N'S	3	all .	The	(hr)	NA!	rik	mb	mk	et -	(e)	A S	3	Les 1	N	d'	NOF	(da	nr	all.	m	ab	n
	Taniya Christa Antoneeta	id	10	10	C	12	6	0	0	C	13	1et	0	6	6	1ck	6)	te)	10/	10	Cl	el	e/	10/	N	al	et	(cy)	D?	er	el
	Abhigith V Prasad	Nel.		Nor	AN/	A.	Stor I	Jag	Aller.	X	Xor	a	Alt	S	and the	San	A.	200	Ad	AND -	Not	Alt	Ja.	Pars	a	A A	We way	All	No.	Store .	1
	AkshayVijayan	KA	AN	1Xly	a	a	stal	Kas	skhu	the	Char	a	the	Color	Jeh		True	Kil	a	Cal	a	Kh	Klue	the	Kin	Ma	Khu	leh	Aw	Bu	a
	Anandhu S	to	In	An	to	tw	ton	ten	a	Am	Aan	(And	tan	a	Aba	Arm	And	tra	Ason	the	tour	trans	20	Acar	a G	An	An	Aur	tas	Auro	en
	Harikrishnan U	iA	N	V	a	28	J&	A	Ve	A	12	a	X	sa	A	S	A	28	X	W	18	X	S	8	SC	s	is	a	VP.	S	D
	JojiVarughese	IG	For	Gà	G	G	Sor	a	Foi	Jett	Jai	Tor	Jest i	a	Top	Jap	For	Sign	Top	Jeji	Jer	Jet	Sto.	St	F	Gi	Joji	.Son	E:	Joya	For ,
	Joyal P Roy	à	BE	E S	Be	E.	By	SEY	B	BF	a	-87	BY	(age)	a	act -	(AF)	P)	· AD	a	R		2	a	30	3	ST	S	B	S.	201
	Lijo Mathew	Lip	Life	Life	Lip	La	lic	Lit	Lejo	Life	HE	a	a	Leto	Life	Life	Life	1.00	a	130	Lic	Hic	life	Life	4p	a	à	a	Life	ste	Life
	Pranav Anil	Re	R	R	R	h	9	-fr	de,	Ry	Ren	D	De	Da	a	R	de	Ro	P	Do	20	a	R	24	a	the	P	De	2	£.	Ł
	Sreejith N G	face	Sal	a	100	Jorth	Joy	Joy	fa	a	a	yne	22	32	you	Joy	4001	a	fre	J.	Jul	St	Joy	fa	a	for	ful	a	9	a	a

PROPOSE P.O. Pin: 686 509

PRINCIPAL M.E.S COLLEGE ERUMELY

nil