



# Bharath

## INSTITUTE OF HIGHER EDUCATION AND RESEARCH

(Declared as Deemed-to-be University under section 3 of UGC Act, 1956)  
(Vide Notification No. F.9-52000 - U.3, Ministry of Human Resource Development, Govt. of India, dated 4<sup>th</sup> July 2002)



Phone : 044-22290742 / 22290125 . Telefax : 044-22293886  
Website : www.bharathuniv.ac.in

173, Agaram Road, Selaiyur, Tambaram,  
Chennai - 600 073. Tamil Nadu.

### Requisition Letter

Date: 05.07.2019

From  
Dr. S, Prakash,  
Professor & Head,  
Department of EEE,  
Bharath Institute of Higher Education and  
Research, Chennai

To  
The Dean Engineering,  
Bharath Institute of Higher Education and  
Research, Chennai

Respected sir

**Subject:** Request of Permission to conduct a value added course on “Design and Installation of Solar Panel” -Reg

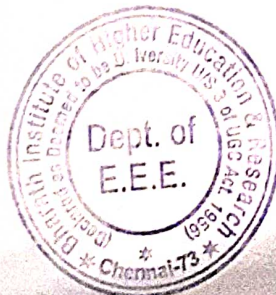
With reference to above subject, I would like to bring to your kind notice that, our department interested to organize value added course on “Design and Installation of Solar Panel” in our campus premises on 08/07/2019.

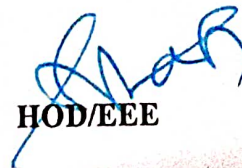
Mr. G.K.Shanmuga Sundaram, Gemco Renewable Energy Training Institute, Chennai would deliver lecture for the above mentioned course. 75 students would be participating in this course. We request you kindly to give permission to organize this event.

**Venue:** EEE seminar Hall

**Timing :** 9 am to 5 pm

Submitted to Principal for approval to organize this value added course.



  
HOD/EEE

Dr. S. PRAKASH, M.E., Ph.D.,  
Professor & Head / E.E.E.  
Bharath Institute of Higher Education & Research  
(Declared as Deemed to be University U/S 3 of UGC Act, 1956)  
Chennai-600 073, India



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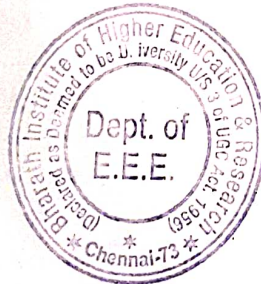
173, Ageram Road, Selaiyur, Tambaram,  
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### CIRCULAR

### SCHOOL OF ELECTRICAL ENGINEERING

Date: 19.06.2019

A value added course on “Design and installation of Solar Panel” is planned by the School of Electrical Engineering on 08.07.2019. In this regard, students are instructed to give their willingness and confirm their participation to their respective class in charge before 05.07.2019. Course commences on 08.07.2019 and it would be conducted for five days (08.07.2019 to 12.07.2019) from 9.00 AM to 5.00 P.M.



  
HOD

Dr. S. PRAKASH, M.E., Ph.D.,  
Professor & Head / E.E.E.  
Bharath Institute of Higher Education & Research  
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Chennai-600 073. India

Copy to  
Department of ECE  
Notice Board/ Department of EEE





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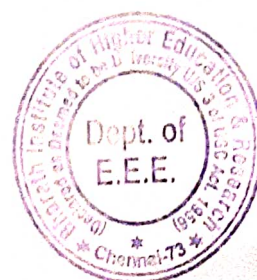
### SCHOOL OF ELECTRICAL ENGINEERING

#### Design and installation of Solar Panel

#### SCHEDULE

Contact Hours: 32 Hrs

Date	Session	Contact Hours	TOPICS	Resource person
08.07.2019	FN	9.00 AM – 12.00 AM	Solar Panel Design & Manufacturing And Associated Products	Mr. G.K.Shanmuga Sundaram
	AN	1 PM – 5 PM	Solar Cell basics & Definition & abbreviations	Dr. S. Lakshmi
09.07.2019	FN	9.00 AM – 12.00 AM	Solar Cell manufacturing process	Dr. S. Prakash
	AN	1 PM – 5 PM	Solar Panel Design	Dr. S. Lakshmi
10.07.2019	FN	9.00 AM – 12.00 AM	Solar Panel Manufacturing - I	Mr. G.K.Shanmuga Sundaram
	AN	1 PM – 5 PM	Solar Panel Manufacturing - II	Mr. G.K.Shanmuga Sundaram
11.07.2019	FN	9.00 AM – 12.00 AM	Junction box design and manufacturing process	Dr. S. Lakshmi
	AN	1 PM – 5 PM	Practical class Solar Panel manufacturing process	Mr. G.K.Shanmuga Sundaram
12.07.2019	FN	9.00 AM – 12.00 AM	Practical class Solar Panel manufacturing process	Mr. G.K.Shanmuga Sundaram
	AN	2 PM – 3 PM	Valedictory	All Dept members





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173, Agaram Road, Selaiyur, Tambaram,  
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### SCHOOL OF ELECTRICAL ENGINEERING

### VALUE ADDED COURSE FOR YEAR (2019- 2020)

### Design and installation of Solar Panel

S.NO	REGISTER NUMBER	STUDENTS NAME
1	U16EE001	SHRIRAM N
2	U16EE003	PRIYADHARSHINI G
3	U16EE004	ALLEN JOEL J
4	U16EE005	SURAAJ KISHORE S
5	U16EE006	MURALI DHAR PANDEY
6	U16EE009	G ROJA
7	U16EE010	M PRABHU
8	U16EE013	SHAMIM AKHTAR
9	U16EE014	VIGNESH M
10	U16EE015	PALLAB DEY
11	U16EE016	AASHISH MANDAL
12	U16EE017	NAYAN RAJ
13	U16EE018	GOPIKRISHAN KUMAR
14	U16EE020	PAPPU KUMAR PASWAN
15	U16EE023	UBENDRAN V
16	U16EE024	NADEEM HUSSAIN KANDROO
17	U16EE701	RANJITH N
18	U16EE702	YASWANTH R
19	U16EE703	KARTHIGA K R
20	U16EE704	ANAND S
21	U16EE705	KALING JERANG
22	U16EE706	RIBAKORNYLLA MARWEIN
23	U16EE707	NESAKUMAR R
24	U16EE501	AKILESH
25	U16EE502	ASWIN ROBERT
26	U16EE503	PRANEETHA K
27	U16EE504	M.J.SABARISH
28	U16EE505	GOKUL .G



	U15EE001	ADITYA RAJ
30	U15EE002	AMBATI VENKATA REDDY
31	U15EE003	ARUNAVA ROY
32	U15EE004	BACHU VENKAT SAI
33	U15EE005	BHARATHI TIPPAGIUDESE
34	U15EE006	BHUMIREDDY OM SEKHAR REDDY
35	U15EE008	DHANUSH B
36	U15EE009	DUDEKULA ANWAR BASHA
37	U15EE010	EEGA RAMESH
38	U15EE011	GODDUMARRI PRUTHVIRAJ
39	U15EE012	GOWTHAM K
40	U15EE013	HEMANT KUMAR SAHU
41	U15EE014	JATAVATH SURESH
42	U15EE015	JAYANT KUMAR
43	U15EE016	K THARUN KUMAR REDDY
44	U15EE017	KAYAM SAI KOTEESWAR REDDY
45	U15EE018	LOKESH KUMAR M
46	U15EE019	MD ASIF
47	U15EE020	MOHAMED GHIYASUDEEN J
48	U15EE021	MUTHUKUMARAN G
49	U15EE022	NANDAN KUMAR
50	U17EE001	DAANISH HUSSAIN G
51	U17EE002	VEBHISHAN P
52	U17EE003	PABBINEEDI RAJESH
53	U17EE004	MOHAMMED HARISH M
54	U17EE005	MOHAMED THOUFIQ S
55	U17EE006	PRASHANTH P
56	U17EE007	PATAN MOHAMMAD KHAN .
57	U17EE008	PRAKASH N
58	U17EE009	NATHANIAL DKHAR
59	U17EE010	GAYATHRI T
60	U17EE011	ARAVA BHANU TEJA .
61	U17EE012	ARAVINTHAN V ARAVAZHI
62	U17EE015	ROSHAN CHOUDHARY
63	U17EE016	BONTHU RAM PRASAD .
64	U17EE017	ADIVIREDDY GNANA PRASUNA .
65	U17EE018	KOTHA KOTA SHESHADRI .
66	U17EE019	PAPINENI VENU
67	U17EE020	NAGARAJU VEERA BRAHMAIAH .
68	U17EE021	KARUTURI NAGA SAI JAGADEESH .
69	U17EE022	VAIBHAV TIWARI
70	U17EE023	KASAMSETTY HEMASREE
71	U17EE024	PRAVEIN KUMAR P
72	U17EE026	GOBINATH B
73	U17EE028	MD SARWAR ALI
74	U17EE029	PALEMPATI JEEVAN KUMAR .
75	U17EE031	ABISHEK S





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### SCHOOL OF ELECTRICAL ENGINEERING

### VALUE ADDED COURSE

### Design and installation of Solar Panel

FEEDBACK FORM		Date: 12/07/2019			
Name	Prashanth . P				
Register Number	U17EE006				
Phone Number	8686365088				
Email address	Prashanth2019@gmail.com				
	Poor	Fair	Good	Very Good	Excellent
Overall Program			✓		
Resource person		✓			
Audio visual aids & Technology used			✓		
Presentation Handouts			✓		

Student's Signature





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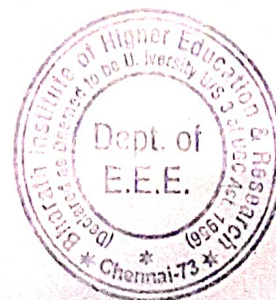
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### DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

#### VALUE ADDED COURSES

2020-2021

VAC on "Design and installation of Solar Panel" by Mr. G.K.Shanmuga Sundaram, Gemco Renewable Energy Training Institute, Chennai from 08.07.2019 to 12.07.2019.







## CERTIFICATE OF PARTICIPATION

This is to certify that Mr Gayathri T has attended Value added Course On "Design and installation of Solar Panel" organized by the School of Electrical Engineering, BIHER conducted from 08.07.2019 to 12.07.2019

8/7/19

DATE



[Signature]

SIGNATURE