

SCHOOL OF ELECTRICAL ENGINEERING

Value Added Courses (2019 -2020)

Certificate Course on Circuit and PCB design

Course Objective

Upon completion of the PCB design course, the students should be able to carry out any PCB design necessary for their graduation projects. Students will also be able to create schematics from blue-prints, they will also be able to perform simple simulations. The course is intended to give the students the necessary knowledge and of PCB design steps, starting from a simple schematic, through creating new components, and all the way to down a final PCB layout ready for population. The course includes single-sided and double-sided printed circuit board design, emphasizing the drawings, standards, and the processes required to layout printed circuit board and manufacturing documentation.

Resource Persons:

1. Dr.S.Philomina
2. Dr.B.Karthik
3. Ms.S.Ramya

Convener:

Dr.M.Sangeetha

HOD/ECE



Requisition Letter

Date: 12.09.2019

From

The HOD,
ECE Department,
Bharath Institute of Higher Education and Research,
Selaiyur, Chennai.

To

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

Respected Sir,

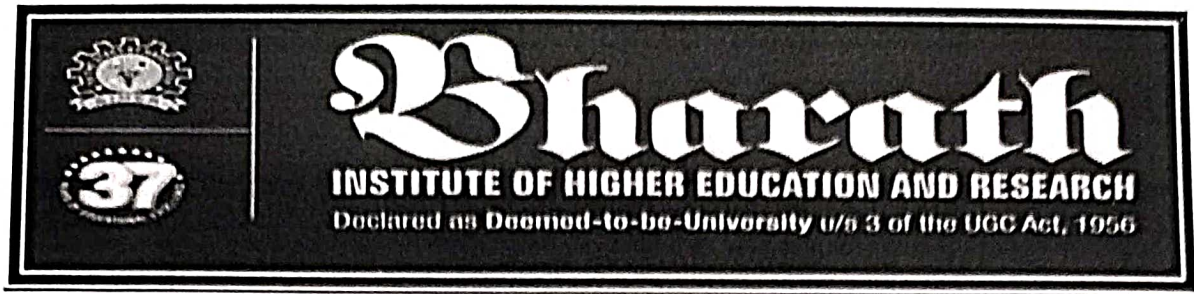
SUB: Requisition for conducting Value Added Course-Regd

School of Electrical Engineering has planned to conduct Value added Course on "Certificate Course on Circuit and PCB design" on 16.09.2019. In this regard we kindly request you to grant permission for the same.

Thanking you

HOD/ECE

Dean Engineering



CIRCULAR

SCHOOL OF ELECTRICAL ENGINEERING

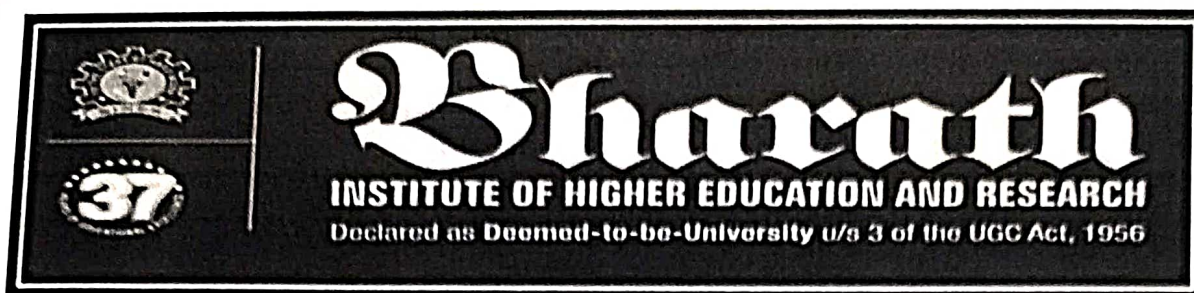
Date: 29.08.2019

The course on “Certificate Course on Circuit and PCB design” is planned by School of Electrical Engineering which commences on 16.09.2019 (Monday). In this regard the students are requested to give their willingness to Course Coordinator. It is instructed to actively participate and get benefitted for the certified course.

Course Coordinator: G.Kanagavalli
Contact No: 9551485989
Email id : kanagavalli.ece@bharathuniv.ac.in

(Dr.M.Sangeetha)
HOD/ECE

To,
Copy to ECE Department,
Copy to EEE Department,
Department Notice Board



SCHOOL OF ELECTRICAL ENGINEERING

Certificate Course on Circuit and PCB design

SCHEDULE

Contact Hours: 32 hrs

DATE	SESSION	Contact Hours	TOPICS	Resource person
16-09-2019	FN	9.00 am to 12.30 pm	Schematic Capture - schematics connection of components such as (Integrated Circuits or Passive-components) by using Wire, Bus, Net-label, Harness-Connector.	Dr.S.Philomina
	AN	1.30 pm to 4 pm	PCB Layout - Placement of components using either: manual, interactive and automatic technique	Dr.B.Karthik
17-09-2019	FN	9.00 am to 12.30 pm	Component & Schematic Libraries - Introducing to the basic steps of Using, editing and creating new component and schematic libraries	Dr.S.Philomina
	AN	1.30 pm to 4 pm	PCB Anatomy - Difference between single & double sided PCB	Ms.S.Ramya
18-09-2019	FN	9.00 am to 12.30 pm	Fabrication Outputs - Generation of GERBER File and Drill Drawings)	Dr.B.Karthik
	AN	1.30 pm to 4 pm	Design Consideration s - Optimizing the Copper-tracks width according to the required maximum carrying current capability 3 Hours	Ms.S.Ramya
19-09-2019	FN	9.00 am to 12.30 pm	Electronic Components - Showing different types of electronic components	Dr.S.Philomina
	AN	1.30 pm to 5 pm	Categorizing electronic components according to their size, power-ratings, package style and placements	Dr.B.Karthik
20-09-2019	FN	9.00 am to 12.30 pm	DIY PCB Prototyping - Prepare a copper clad double sided PCB	Ms.S.Ramya
	AN	1.30 pm to 5 pm	DIY PCB Prototyping - Use a milling machine with 1mm drill bit to drill the entire solder holes of the PCB	Dr.B.Karthik

VALUE ADDED COURSE
SCHOOL OF ELECTRICAL ENGINEERING
Certificate Course on Circuit and PCB design

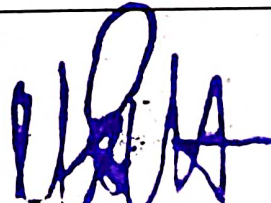
List of Participants

Date: 16.09.2019

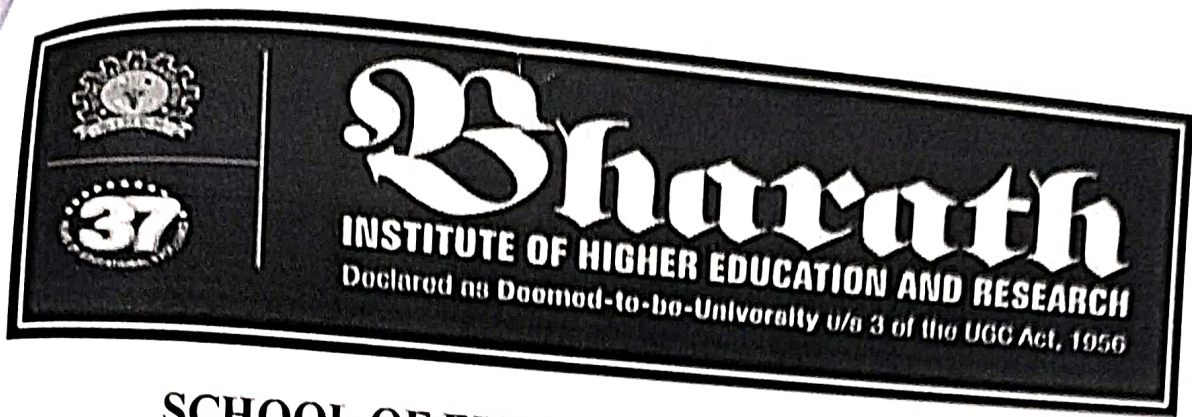
S.NO	REG.NO	NAME
1.	U16EC013	ANCHA KRISHNA REDDY .
2.	U16EC014	BUGUDI RAMU RAMU
3.	U16EC015	GANJI BHARATHCHANDRA BHARATHCHANDRA
4.	U16EC016	KATIKERI VENKATESH VENKATESH
5.	U16EC017	KOWSALYA K
6.	U16EC018	UNNAM SIVA KRISHNA .
7.	U16EC020	RAUSHAN KUMAR .
8.	U16EC021	ALIVELI CHARAN SAI .
9.	U16EC022	BASIMALLA MARK RATNA BOSE .
10.	U16EC023	THATIKONDA PREM SAI .
11.	U16EC024	DASINENI ANUSHA ANUSHA
12.	U16EC025	KOLLUMALLA SHYAM NAGA SRI KIRAN
13.	U16EC027	HIMAVANTH J P
14.	U16EC028	THIRIVEEDI SUBBAMMA SUBBAMMA
15.	U16EC029	PEMMASANI KAVYA KAVYA
16.	U16EC030	KAMASANI JYOTHI PRAKASH REDDY .
17.	U16EC031	PEDINEEDI NAGARJUNA
18.	U16EC032	YANAMALA SREEKANTH REDDY .
19.	U16EC033	MOTE KEERTHI KEERTHI
20.	U16EC034	ADDALA KRISHNA VAMSI .
21.	U16EC035	GOKARAJU AJAY BABU .
22.	U16EC036	MANE CHANDRAKANTH CHANDRAKANTH

23.	U16EC037	SANNUTHI VINAY NAGA PRANEETH ,
24.	U16EC038	TELLAMEKALA PRADEEP KUMAR ,
25.	U16EC039	MATTAPALLI SAI SRIKANTH YADAV ,
26.	U16EC040	PULI NAGANATH REDDY ,
27.	U16EC041	KOTTRA ANUSHA GOUD ,
28.	U16EC042	RADHAKRISHNA K
29.	U16EC043	KAPULURI MARUTHI RAO ,
30.	U16EC044	RAMPRASATH T
31.	U16EC045	KAPULURI VENKATESWARLU
32.	U16EC047	VEMULA SIVA SANKAR VARAPRASAD ,
33.	U16EC085	AJITH A K
34.	U16EC513	BUSETTY LIKITHESH
35.	U16EC701	RAHUL K
36.	U16EC702	ESWARCHANDRA PRASAD T
37.	U16EC048	GUDLURU SUMANTH
38.	U16EC049	KUCHULA SAIKUMAR REDDY
39.	U16EC050	KOTA VENKATA SIVA PRASAD REDDY
40.	U16EC051	GANGASANI SAI NANDA GOPAL REDDY
41.	U16EC052	POKALA SUDHARSHAN REDDY ,
42.	U16EC053	CHINTALA GANESH
43.	U16EC054	TAMATAM HARSHAK REDDY ,
44.	U16EC055	DURGAPRASAD M
45.	U16EC056	YANDRA SAI VENKAT ,
46.	U16EC057	AKASH KUMAR C
47.	U16EC058	BHASHAKARLA GOPIKRISHNA
48.	U16EC059	MADDIBOINA GIRI BABU ,
49.	U16EC060	MASANAM TARUN
50.	U16EC061	ANIL KUMAR N E
51.	U16EC062	KALLURI RAMA KSRISHNA ,

52.	U16EC063	YALAMANDALA SANDHYA
53.	U16EC064	RACHARLA VENKATNARAYAN
54.	U16EC065	MAHESH .
55.	U16EC066	MARAMREDDY MURALI MOHAN .
56.	U16EC067	JIJJARAPU SHIVA
57.	U16EC068	DINESH D
58.	U16EC069	BURLA MALLIKHARJUNA REDDY .
59.	U16EC070	KATNAM SAIKUMAR .
60.	U16EC071	YANAMALA VASU
61.	U16EC074	VEMIREDDY NARASA REDDY .
62.	U16EC075	MANGISHETTI RAVALI
63.	U16EC076	KOMMINENI DHARANI
64.	U16EC077	KAVALA HARI HARSHAVARDHAN .
65.	U16EC078	VEMULA BHARATH
66.	U16EC079	POTHURAJU VENKATA NAGA SUBRAMANYAM .
67.	U16EC080	SEELAM VISWANATH
68.	U16EC082	ABHISHEK RANJAN
69.	U16EC084	VISHNU K
70.	U16EC087	MOHAMMED MARUF KHAN A
71.	U16EC088	TAMILARASAN N
72.	U16EC089	SARASWATHI REDDY SREE PHANI MONISH
73.	U16EC501	NORDIPATI AJAY REDDY .
74.	U16EC502	SUDHARSAN R
75.	U16EC503	JEEVAN SAI KUMAR REDDY


(Dr.M.Sangeetha)

HOD/ECE



SCHOOL OF ELECTRICAL ENGINEERING

VALUE ADDED COURSE

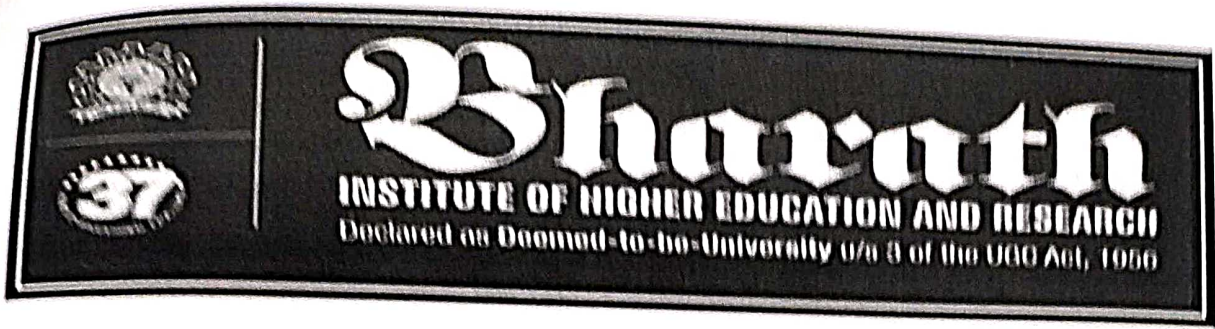
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FEED BACK FORM

Date: 20-9-19

Name	Ajith A-k				
Register number	U16EC085				
	Poor	Fair	Good	Very Good	Excellent
Overall Program			/		
The Speaker				/	
Audio, Visual Aids Technology used					/
Presentation hand outs				/	


Student Signature



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VALUE ADDED COURSE

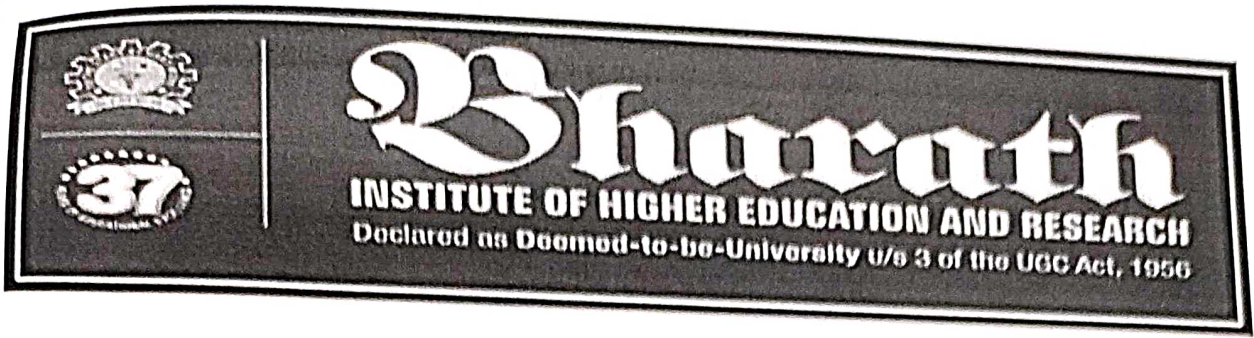
Certificate Course on Circuit and PCB design

FEED BACK FORM

Date: 20.9.19

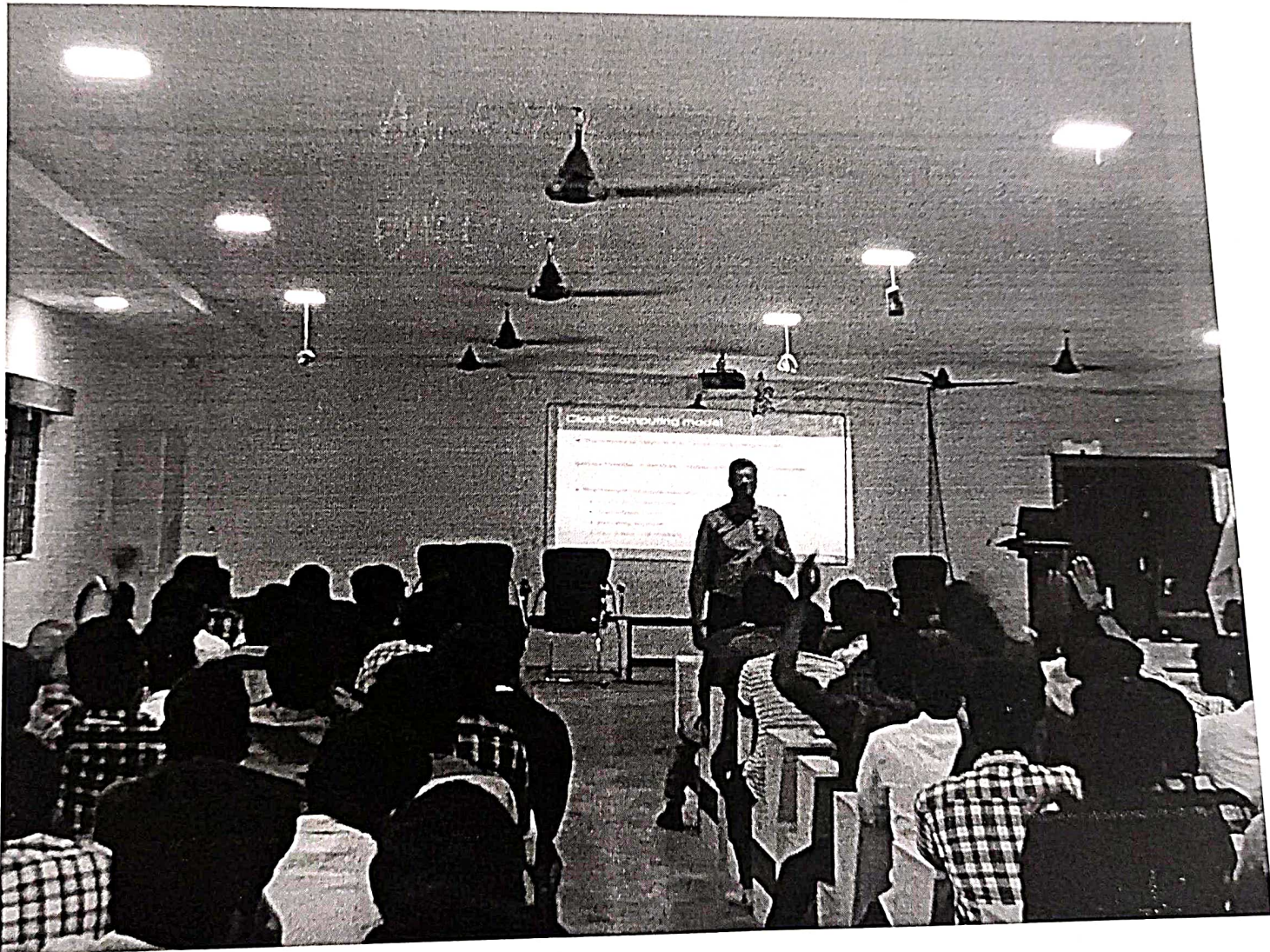
Name	Ajith. A.K.				
Register number	U16EC055				
	Poor	Fair	Good	Very Good	Excellent
Overall Program			✓		
The Speaker				✓	
Audio, Visual Aids Technology used					—
Presentation hand outs				✓	


 Student Signature



SCHOOL OF ELECTRICAL ENGINEERING

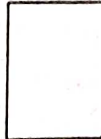
Course on "Certificate Course on Circuit and PCB design" dated on 26.08.2019 conducted by school of Electrical Engineering





Bhubaneswar

INSTITUTE OF HIGHER EDUCATION AND RESEARCH
(Declared as Deemed - to - be - University under section 3 of UGC Act 1956)



SCHOOL OF ELECTRICAL ENGINEERING

CERTIFICATE OF PARTICIPATION

This is to certify that Mr/Ms. RAUSHAN KUMAR has attended Value added Course on "Circuit and PCB Design " Organized by the school of Electrical Engineering, BIHER conducted from 16.09.2019 to 20.092019.

G. K. Kanagavalli

Ms.G KANAGAVALLI
COURSE COORDINATOR

D. Sangeetha

CONVENOR