Bharath
INSTITUTE OF HIGHER EDUCATION AND RESEARCH
Declared as Deemed-to-be-University u/s 3 of the UGC Act, 1956

SCHOOL OF ELECTRICAL ENGINEERING

Value Added Courses (2019 -2020)

Certificate Course on Industrial application with Embedded System Orientation

Course Objective

An embedded system is one kind of a computer system mainly designed to perform several tasks like to access, preprocessing storing and also control the data in various electronics-based systems. Embedded systems are a combination of hardware and software where software is usually known as firmware that is embedded into the hardware. One of its important characteristics of these systems is, it gives the o/p within the time limits. Embedded systems support to make the work more perfect and convenient. Arduino is an open-source, single-board, microcontroller for building devices that can sense and control objects in the physical world. So, we frequently use embedded systems in simple and complex devices too. By providing hands-on workshop to students, they will get an idea on hardware components. By using this knowledge, they can develop simple real time problems. In this workshop, we will use Embedded C for microcontroller programming. This Workshop aims at imparting job-oriented training on Microcontroller architectures and concepts of Embedded C language from an industry perspective. More emphasis shall be given to hands-on (practical) sessions for better understanding.

Resource Persons:

1.Ms.S. Arulselvi

2.Ms.K. Subbulakshmi

3.Ms.GKanagavalli

Convener: Dr.M.Sangeetha

HOD/ECE

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CIRCULAR

SCHOOL OF ELECTRICAL ENGINEERING

Date: 17.08.2019

The course on **"Industrial application with Embedded System Orientation"**is planned by School of Electrical Engineering which commences on26-08-2019.In this regard, the students are requested to give their will to the Course Coordinator. It is instructed to actively participate and get benefitted from the certified course.

Course Coordinator: Ms 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

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Requisition Letter

Date: 12.08.2019

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 "**Industrial application with Embedded System Orientation**" on 26-08-2019. In this regard,we kindly request you to grant permission for the same.

Thanking you

HOD/ECE

BHARATH INSTITUTE OF HIGHER EDUCATION & RESEARCH
Department of Electronics & Communication Engineering

Dean Engineering

DEAN (Engineering)
Bharath Institute of Science & Technology
BHARATH INSTITUTE OF HIGHER EDUCATION & RESEARCH
(Declared as Deemed to be University U/S 3 of UGC Act, 1956)
Selaiyur, Chennai-600 073.

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SCHOOL OF ELECTRICAL ENGINEERING

Certificate Course on Industrial application with Embedded System

Orientation

SCHEDULE

Contact Hours: 32 hrs

DATE	SESSION	Contact Hours	TOPICS	Resource person
26.08.2019	FN	9.00 am to 12.30 pm	Embedded System Fundamentals: -Production and Classification of Embedded System;	**Ms.S.Arulselvi**
	AN	1.30 pm to 4 pm	Review of Embedded System.	**Ms.K. Subbulakshmi**
27.08.2019	FN	9.00 am to 12.30 pm	Embedded System Analysis: Features, Feature Extraction	**Ms.GKanagavalli**
	AN	1.30 pm to 4 pm	Likelihood Distortions, Spectral Distortion using a Warped Frequency Scale, LPC, PLP and MFCC Coefficients, Time Alignment and Normalization	**Ms.S. Arulselvi**
28.08.2019	FN	9.00 am to 12.30 pm	Markov Models: Markov Processes, HMMs – Evaluation.	**Ms.K. Subbulakshmi**
	AN	1.30 pm to 4 pm	Optimal State Sequence – Viterbi Search, Baum-Welch Parameter Re-estimation, Implementation issues.	**Ms.GKanagavalli**
29.08.2019	FN	9.00 am to 12.30 pm	Embedded Systems: Large Vocabulary Continuous Embedded Systems	**Ms.S. Arulselvi**
	AN	1.30 pm to 5 pm	Recognition: Architecture ofa large vocabulary continuous Embedded SystemsApplications and present status	**Ms.S. Arulselvi**
30.08.2019	FN	9.00 am to 12.30 pm	Embedded Systems applications: Text-to-Speech Synthesis: Concatenative and waveform synthesis methods,	**Ms.K.Subbulakshmi**
	AN	1.30 pm to 5 pm	Embedded units for TTS, intelligibility and naturalness. Applications and present status.	**Ms.GKanagavalli**

VALUE ADDED COURSE

SCHOOL OF ELECTRICAL ENGINEERING

Certificate Course on Industrial application with Embedded System Orientation

List Of Participants

Date: 30.08.2019

S.No	REG.NO	NAME OF THE STUDENT
1.	U17EC079	PADAMATA MANIKANTA SWAMY
2.	U17EC080	MENDU SRI SATYA JAGADISWARA REDDY
3.	U17EC081	PERATI SUSHANTH REDDY .
4.	U17EC082	AKSHAY TEEGALA
5.	U17EC083	RAMAKURTHI JAGADISH CHANDRA .
6.	U17EC084	SUTHAPALLI KRISHNA KARTHIK .
7.	U17EC085	GUDI AKSHITH REDDY .
8.	U17EC086	MANNAM BHARATH KUMAR
9.	U17EC087	BADDELA HEMALATHA
10.	U17EC088	K BHEEMESH
11.	U17EC090	LINGAMPALLI YASHWITHA
12.	U17EC091	POTHINI AKHIL CHAKRAVARTHY .
13.	U17EC092	SUTHAPALLI J V V RAMA KRISHNA
14.	U17EC093	SEELAM RAVINDER REDDY .
15.	U17EC094	SERISHA V
16.	U17EC095	YARRAM RAJA SEKHAR REDDY

17.	U17EC096	GANDIKOTA KARTHIK SAGAR
18.	U17EC097	KALLURI MANOHARJI
19.	U17EC098	N NAVEEN KUMAR
20.	U17EC099	SHRIYA SINGH
21.	U17EC100	BEERAKA SRIDEVI
22.	U17EC101	SHAIK JHONY BASHA .
23.	U17EC102	KANCHETI NIKHIL
24.	U17EC103	KARTHIK K
25.	U17EC104	KOTI MANI KUMAR .
26.	U17EC105	KANDE SAI NARESH KUMAR .
27.	U17EC106	BOLLA SWAMULU
28.	U17EC107	ATUKURI VENKATA NAGA NAVEEN .
29.	U17EC108	PASAM BALANAGA MANIKANTA .
30.	U17EC109	BOODHALA PAVANI
31.	U17EC110	GOVINDU NIRUSHASAI
32.	U17EC111	KOMARAJU VENKARA KRISHNA VAMSI .
33.	U17EC112	PANGULURI SAI MAHESH .
34.	U17EC113	RELLA ANIL
35.	U17EC114	VAMSHIDHAR K
36.	U17EC115	BHARGAV KANKATALA
37.	U17EC116	naveenkumar sure
38.	U17EC117	RAVURI GANESH
39.	U17EC118	JAVVAJI SAI
40.	U17EC119	KOTHAPALLI RAMAYYA NAIDU .
41.	U17EC120	SHAMIM IMTIAZ
42.	U17EC121	VENKATA SUDHARSHAN REDDY YANNAM

43.	U17EC122	MADHU SASHANK B
44.	U17EC123	MALINI S
45.	U17EC124	TANKALA RAJU
46.	U17EC125	MALLANGI ASWINI
47.	U17EC126	HIMA BINDU C
48.	U17EC127	GAMPA VAMSI
49.	U17EC128	AKULA VENKATA TRIVEN KUAMR
50.	U17EC129	THANGARAJ GOWTHAM
51.	U17EC130	GIDDALURI VENKATA PAVANCHAND .
52.	U17EC131	CHEEKATI DEEPAK
53.	U17EC132	KOLUSU NARASAIAH
54.	U17EC133	KALARLA MAHESH
55.	U17EC134	KAKARLA LAKSHMAN NAIDU .
56.	U17EC135	SHAIK GOUSIA
57.	U17EC136	PALURU RAJAKANISHKAKUMAR .
58.	U17EC137	SHAIK MALIK FAYAZ .
59.	U17EC138	KOLAPALLI SATYA SAI VINAY .
60.	U17EC139	PATCHA JITENDRA SAI KUMAR .

(Dr.M.Sangeetha)

HOD/ECE

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SCHOOL OF ELECTRICAL ENGINEERING

VALUE ADDED COURSE

Certificate Course on Industrial application with Embedded System Orientation

FEED BACK FORM			Date30.08.2019		
Name	K. Bheemesh				
	Poor	Fair	Good	Very Good	Excellent
Overall Program				✓	
The Speaker				✓	
Audio,Visual Aids Technology used					✓
Presentation hand outs				✓	

Student Signature

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SCHOOL OF ELECTRICAL ENGINEERING

VALUE ADDED COURSE

Certificate Course on Industrial application with Embedded System Orientation

FEED BACK FORM			Date30.08.2019		
Name	Sevisha.V				
	Poor	Fair	Good	Very Good	Excellent
Overall Program				✓	
The Speaker				✓	
Audio,Visual Aids Technology used				✓	
Presentation hand outs				✓	

V.Sevisha

Student Signature

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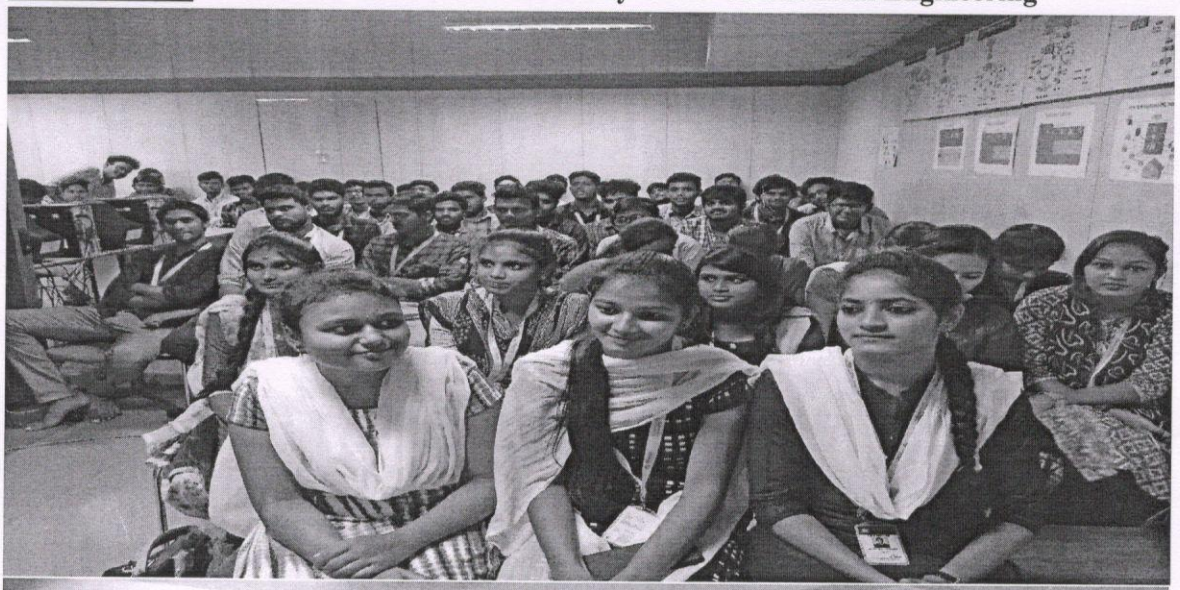
SCHOOL OF ELECTRICAL ENGINEERING

Course on"Certificate Course on Industrial application with Embedded System Orientation" dated on 30.08.2019conducted by school of Electrical Engineering



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NAAC

ABET

SCHOOL OF ELECTRICAL ENGINEERING

CERTIFICATE OF PARTICIPATION

This is to certify that Mr/Ms. **MADHU SASHANK B** has attended Value added Course on **"Industrial application with Embedded System Orientation"** Organized by the school of Electrical Engineering, BIHER conducted from 26-08-2019 to 30-08-2019.

Ms. G Kanagavalli
COURSE COORDINATOR

Dr. M. Sangeetha
CONVENOR

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SCHOOL OF ELECTRICAL ENGINEERING

Value Added Courses (2019 -2020)

Industrial automation based machine learning

Course Objective

To provide in-depth knowledge of industrial machine learning. Provides a concise introduction to the fundamental concepts in machine learning and popular machine learning algorithms. The course also helps candidates to get a clear overview of algorithms involved in industrial automation-based machine learning.

Resource Persons:

1. Dr. S.Philomina
2. Ms.M.MeenaKumari
3. Ms.S.Saravana

Convener:

Dr.M.Sangeetha

HOD/ECE