SCHOOL OF ELECTRICAL ENGINEERING

Value Added Courses (2021 -2022)

Microcontroller Embedded C Programming: absolute beginners

This course mainly targeted for absolute beginners to learn microcontroller programming using the 'C ' programming language. "Embedded C" is NOT a separate programming language. 'Embedded C' is rather embedded target aware programming using traditional 'C' programming language.According to 2021 embedded dot com survey still 'C' is one of the most widely used programming languages for embedded code developmentThis course gives particular emphasis to learn 'C' programming concepts practically for microcontroller use cases.
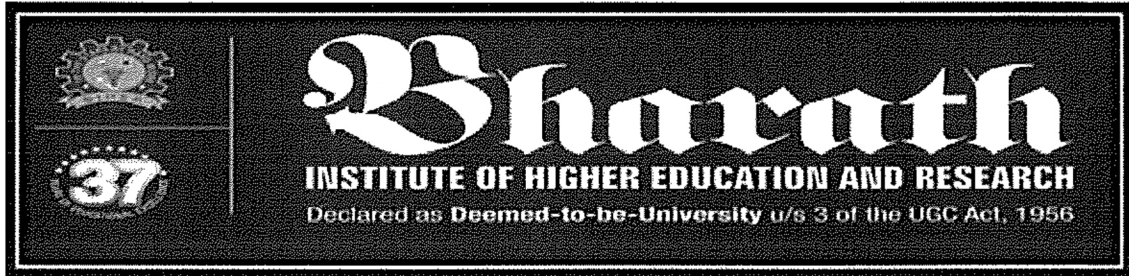
Resource Persons:

1.Ms.E.Kanniga

2.Mr.B.Karthik

3.Ms.Saravana

Convener
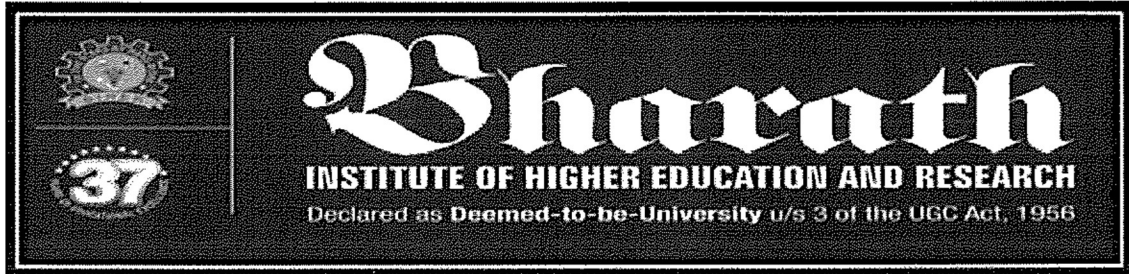
Dr.M.Sundararajan

HOD/ECE

SCHOOL OF ELECTRICAL ENGINEERING

Microcontroller Embedded C Programming: absolute beginners

SCHEDULE

Contact Hours : 31hrs

DATE	SESSION	Contact Hours	TOPICS	Resource person
08-08-2021	FN	9.00 am to 12.30 pm	Importance of bitwise operators Usage of bit manipulation techniques to program MCU peripheral registers	Ms.E.Kanniga
	AN	1.30 pm to 5 pm	Accessing memory-mapped registers using pointers and casting	Mr.B.Karthik
09-08-2021	FN	9.00 am to 12.30 pm	Structures, bitfields, unions, and bit extraction techniques Representing hardware registers	Ms.Saravana
	AN	1.30 pm to 5 pm	Usage of const and volatile type qualifiers Interpret complex variable definitions	Ms.E.Kanniga
10-08-2021	FN	9.00 am to 12.30 pm	Data types, variables definitions, storage class specifiers and much more Loops: while, for, do. while	Mr.B.Karthik
	AN	1.30 pm to 5 pm	Usage of const and volatile type qualifiers Interpret complex variable definitions	Ms.Saravana
11-08-2021	FN	9.00 am to 12.30 pm	The precise usage of const pointers, const data, volatile const, with pointer and non-pointer variables	Ms.E.Kanniga
	AN	1.30 pm to 5 pm	Functions and friends	Mr.B.Karthik
12-08-2021	FN	9.00 am to 12.30 pm	MCU internal architecture and programming peripherals	Ms.Saravana
	AN	1.30 pm to 5 pm	Interfacing projects	Ms.E.Kanniga

CIRCULAR

SCHOOL OF ELECTRICAL ENGINEERING

Date:13.07.2021

The course on Familiarization of Microcontroller Embedded C Programming: absolute beginnersis planned by School of Electrical Engineering which commences on 08-08-2021.

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: Ms.Kalaiselvi B
Contact No:9444649010
Email id :kalaiselvi.ece@bharathuniv.ac.in

(Dr.M.Sundararajan)
HOD/ECE

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

VALUE ADDED COURSE

SCHOOL OF ELECTRICAL ENGINEERING

Microcontroller Embedded C Programming: absolute beginners
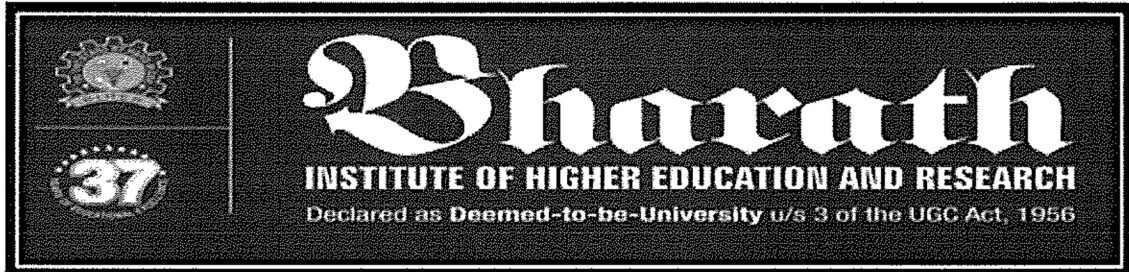
List of Participants

Date:08.08.2021

Sl.no	REG.N0	NAME OF THE CANDIDATE
1	U12EC002	AMARAVATHI S
2	U12EC003	AMIT KUMAR
3	U12EC004	ANKUR PANDEY
4	U12EC009	BODDU KOUSIK REDDY
5	U12EC012	DHAMODARAN N
6	U12EC013	DHINESHKUMAR N
7	U12EC016	GUNTAKA CHENNA REDDY
8	U12EC022	KUMARI AYAGAT
9	U12EC023	KUMBAKONAM KARTHIK
10	U12EC024	KURAPATI SRIHARIREDDY
11	U12EC026	MAHAKASH BOSE
12	U12EC027	MANAB JYOTI BARUAH
13	U12EC031	MONISHA M
14	U12EC032	NAMRTA KUMARI
15	U12EC033	PETETI DINESH
16	U12EC034	PETETI SRI TEJA
17	U12EC035	PRINCE PORWAL
18	U12EC036	PUSHKIN

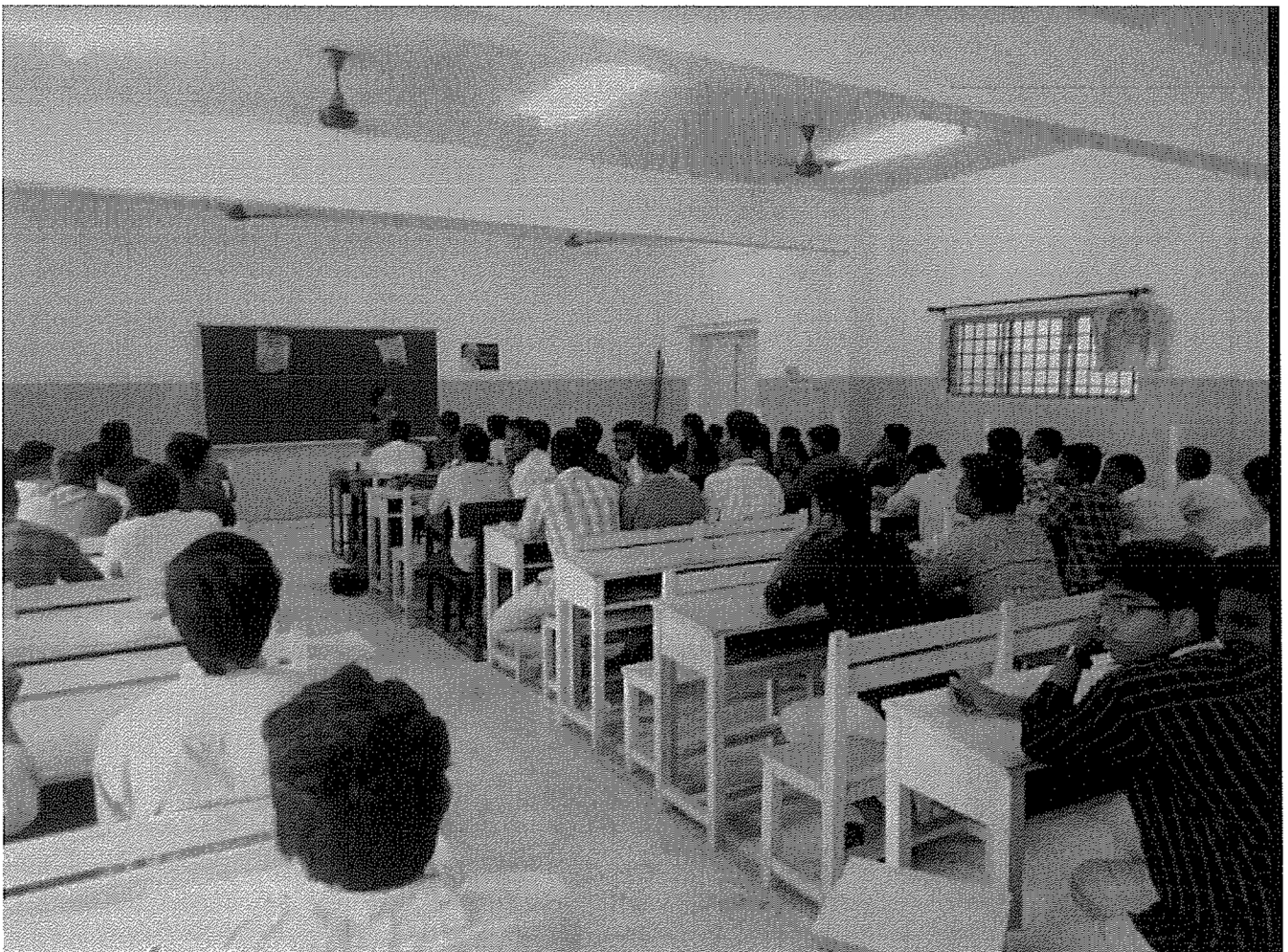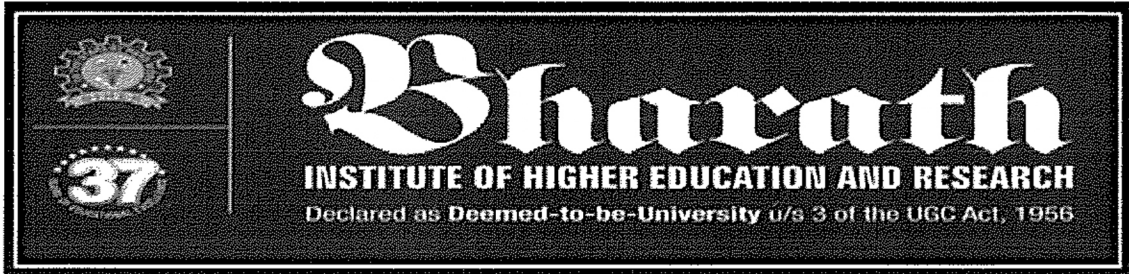| 19	U12EC040	RAVINDRA KUMAR RAUSHAN
20	U12EC041	RODDA HEMANTH KUMAR
21	U12EC042	SAIRAGHUL M
22	U12EC043	SANDEEP KUMAR SINGH
23	U12EC046	SATISH KUMAR K
24	U12EC047	SHANMUGAM S
25	U12EC048	SIVA SHANKARI B
26	U12EC049	SOLOMON RAJA K
27	U12EC054	SUBHADEEP MAZUMDER
28	U12EC055	SUBIN D
29	U12EC058	SUPRIYA KUMARI
30	U12EC059	SURAJ KUMAR
31	U12EC060	SURESH J
32	U12EC061	SURYADEVARA HARSHA VARDHAN
33	U12EC064	VIGNESH B
34	U12EC065	VIGNESH KUMAR S
35	U12EC068	VIJAY PRASAD R
36	U12EC507	GUNDLURU DHEERAJ REDDY
37	U12EE078	SUNNY KUMAR
38	U12EE079	MUJAFFER ANSARI

(Dr.M.Sundararajan)

HOD/ECE

SCHOOL OF ELECTRICAL ENGINEERING

Course on Microcontroller Embedded C Programming: absolute beginners**dated on 08.08.2021 conducted by School of Electrical Engineering**
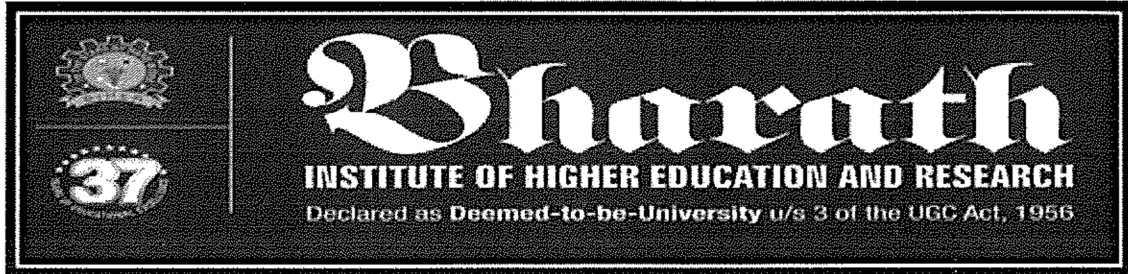
SCHOOL OF ELECTRICAL ENGINEERING

VALUE ADDED COURSE

Microcontroller Embedded C Programming: absolute beginners

FEED BACK FORM				Date: **12.08.2021**	
Name	Pushkin				
Register number	012EC036.				
Phonenumber	735874 7802 .				
Email address	Push_anu@ gmail.com				
	Poor	Fair	Good	Very Good	Excellent
Overall Program				✓	
TheSpeaker					✓
Audio, Visual Aids Technology used				✓	
Presentation hand outs					✓

Student Signature

SCHOOL OF ELECTRICAL ENGINEERING

VALUE ADDED COURSE

Microcontroller Embedded C Programming: absolute beginners

FEED BACK FORM			Date: **12.08.2021**		

Name	Sunny kumar				
Register number	U12EE 078.				
Phonenumber	7140612918.				
Email address	Sunny.lee@gmail.com.				
	Poor	Fair	Good	Very Good	Excellent
Overall Program				✓	
TheSpeaker					✓
Audio, Visual Aids Technology used				✓	
Presentation hand outs			✓	✓	

Student Signature

INSTITUTE OF HIGHER EDUCATION AND RESEARCH

Declared as Deemed-to-be-University u/s 3 of the UGC Act 1956

SCHOOL OF ELECTRICAL ENGINEERING

CERTIFICATE OF PARTICIPATION

This is to certify that Mr / Ms NAMRTA KUMARI(U12EC032)

has attended Value added Course On *"Microcontroller Embedded C*

Programming: absolute beginners" organized by the School of Electrical

Engineering, BIHER conducted from **08-08-2021** to **12-08-2021.**

MS.KALAISELVIB
COURSECOORDINATOR

Dr.M.SUNDARRAJAN
CONVENOR