



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



Requisition Letter

1.09.2020

FROM

THE HOD

Department of Mechatronics

Bharath Institute of Higher Education and Research

Selaiyur-Chennai- 73

TO

THE DEAN ENGINEERING

Bharath Institute of Higher Education and Research

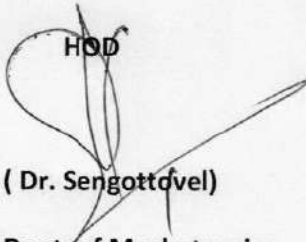
Selaiyur-Chennai- 73

Sir,


Subject: Requisition for conducting Value Added (online) course reg.

The school of Mechanical sciences had planned to conduct a 5 -day value added course on the topic "EMBEDDED SOFTWARE DEVELOPMENT CONCEPTS" dated from 5.9.2020 to 9.9.2020. In this regard, I request you to kindly grant permission for conducting the same.

Thanking You

HOD

(Dr. Sengottivel)
Dept. of Mechatronics

Dean Engineering


(Dr.J.Hameed Hussain)



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Date: 1.9.2020

Department of Mechatronics

Circular

The Department of Mechatronics, BIHER is glad to conduct a 5 - day Value Added Program on “**EMBEDDED SOFTWARE DEVELOPMENT CONCEPTS**” dated from 5.9.2020 for a period of 25 hours. Those who are interested to participate do register your name with the program coordinator mentioned below.

Resource persons:

Dr.P.Sengottuvel,
Professor,
BIHER

Dr.R.Srinivasan,
Software Trainer,Unikerz Technologies,
Chennai.

Maximum No. of registration Allowed – 57

***First come first serve basis.**

Program Coordinator:

Mrs.V.G.VIJAYA

Assistant Professor

Mr.J.DHANASEKAR

Assistant Professor,

E-Mail: vijayasaravanan84@gmail.com

Mobile: 8870136732

HOD





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Department of Mechatronics

EMBEDDED SOFTWARE DEVELOPMENT CONCEPTS

OBJECTIVES:

This course will show you how to Use embedded software so special as compared to common application software? Well, the most critical features of embedded systems are their greater reliability, accuracy, and performance speed enabling real-time computing. Besides, they have smaller size and lower power consumption, which opens for them a wider variety of applications.

[DAY: 1]

MODULE I Stability (5 Hrs)

Stability is of paramount importance. Unexpected behavior from an embedded system is inadmissible and poses serious risks. End users demand that embedded systems must have uniform behavior under all circumstances and be able to operate durably without service.

[DAY: 2]

MODULE II Compatibility and Integrity (5 Hrs)

With all their probable expertise in software development, many of them lack hands-on experience in implementing and updating their applications in IoT environment, especially with regard to security implications.

[DAY: 3]

MODULE III Debugging (5 Hrs)

Debugging is a general issue growing together with the number of connected devices – time and effort for debugging grows in parallel.

[DAY: 4]

MODULE IV Launch Phase (5 Hrs)

Time-to-market and time-to-revenue have always been tough indicators in embedded system development, especially in the IoT segment.

[DAY: 5]

MODULE V : Design Limitations (5 Hrs)

The challenges in design of embedded systems have always been in the same limiting requirements for decades: Small form factor; Low energy; Long-term stable performance without maintenance. The market demands from designers to pack more processing power and longer battery life into smaller spaces, which is often a tradeoff. Finally, depending on applications in IoT, there is a growing demand for manufacture of very scalable processor families ranging from cheap and ultra-low-power to maximum performance and highly configurable processors with forward-compatible instruction set.



Department of Mechatronics

Value Added Course - EMBEDDED SOFTWARE DEVELOPMENT CONCEPTS

PARTICIPANTS LIST

S.No	Reg.No	Name	Department
1.	U17MT703	KOLLATI NAGA SIVA	Mechatronics
2.	U17MT701	KEERTHIVASAN	Mechatronics
3.	U17MT504	ARAVIND	Mechatronics
4.	U17MT503	DISHAN ASIR RAJ	Mechatronics
5.	U17MT502	MUTHU VIJAY RAJA	Mechatronics
6.	U17MT501	ADITHIYA	Mechatronics
7.	U17MT061	MOHAMMED ABBAS	Mechatronics
8.	U17MT060	DINESHKUMAR	Mechatronics
9.	U17MT059	RAKKESH ARAVIND	Mechatronics
10.	U17MT058	NAGARAJ	Mechatronics
11.	U17MT057	SREE MUKESH	Mechatronics
12.	U17MT056	SURYA PRAKASH	Mechatronics
13.	U17MT055	YOKESH RAJ	Mechatronics
14.	U17MT054	VASANTH	Mechatronics
15.	U17MT053	GOKULAKRISHNAN	Mechatronics
16.	U17MT052	SATHISH KUMAR	Mechatronics
17.	U17MT051	BOLLEDDU RAVI TEJA	Mechatronics
18.	U17MT050	THIRUMURUGAN	Mechatronics

19.	U17MT049	NIKHILANTONY	Mechatronics
20.	U17MT048	PALANIYAPPAN	Mechatronics
21.	U17MT046	VIGNESHWARAN	Mechatronics
22.	U17MT045	ABDUL RAHAMAN	Mechatronics
23.	U17MT044	BADDITI	Mechatronics
24.	U17MT042	METHIL KRISHNAN	Mechatronics
25.	U17MT040	NIZAMUDEEN	Mechatronics
26.	U17MT039	SAGADEVAN	Mechatronics
27.	U17MT038	DHARANIDHARAN	Mechatronics
28.	U17MT037	DINESH	Mechatronics
29.	U17MT036	SUSHIL KUMAR	Mechatronics
30.	U17MT035	HARIHARAN	Mechatronics
31.	U17MT034	JONNALAGADDA GOPALA KRISHNA MOHAN	Mechatronics
32.	U17MT033	KARTHIK	Mechatronics
33.	U17MT032	LAKKIREDDY PAVAN KALYAN	Mechatronics
34.	U17MT031	SYED SAMSUDEEN	Mechatronics
35.	U17MT029	PRAKASH RAJ	Mechatronics
36.	U17MT028	HEMALATHA	Mechatronics
37.	U17MT703	KOLLATI NAGA SIVA	Mechatronics
38.	U17MT701	KEERTHIVASAN	Mechatronics
39.	U17MT504	ARAVIND	Mechatronics
40.	U17MT503	DISHAN ASIR RAJ	Mechatronics
41.	U17MT502	MUTHU VIJAY RAJA	Mechatronics
42.	U17MT501	ADITHIYA	Mechatronics

43.	U17MT061	MOHAMMED ABBAS	Mechatronics
44.	U17ME069	VEMPULURU RAKESH	Mechanical Engineering
45.	U17ME070	MARRIPATI BHARGAV	Mechanical Engineering
46.	U17ME072	CHITTIREDDY PAVAN	
47.	U17ME073	VARDA SAI SREEKANTH REDDY S	Mechanical Engineering
48.	U17ME066	YETTELLA BHUVANESWARA REDDY .	Mechanical Engineering
49.	U17ME068	CHALLA GIRREESH GIREESH	Mechanical Engineering
50.	U17AM015	KUTHE SOURABHSURESH	Automobile Engineering
51.	U17AM009	KARTHICK Y	Automobile Engineering
52.	U17AM014	KUMBHAR RAHUL	Automobile Engineering
53.	U17AM020-	RITHISHKRISHNA D V	Automobile Engineering
54.	U17AM021	-SHAIK REHAMAN	Automobile Engineering
55.	U17MT023	PRAVEEN	Mechatronics
56.	U17ME069	VEMPULURU RAKESH	Mechanical Engineering
57.	U17ME070	MARRIPATI BHARGAV	Mechanical Engineering



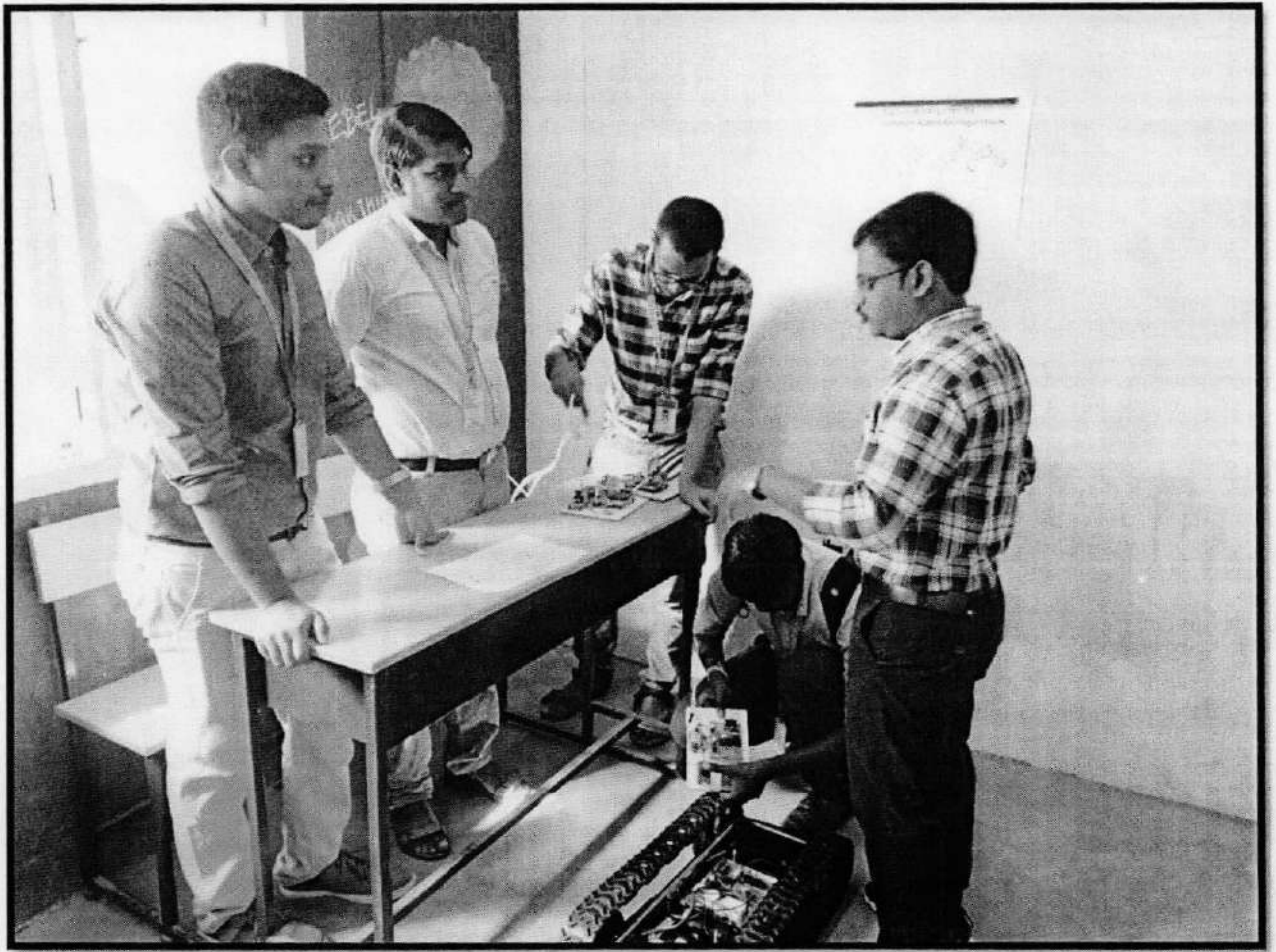
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Department of Mechatronics

EMBEDDED SOFTWARE DEVELOPMENT CONCEPTS

Value added course conducted Dr.R.Srinivasan, Software Trainer,Unikerz Technologies, Chennai.





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BHARATH INSTITUTE OF SCIENCE & TECHNOLOGY

Selaiyur, Chennai - 73.

DEPARTMENT OF MECHATRONICS

VALVE ADDED COURSE FEEDBACK FORM

Date: 9/9/2020

NAME	ADITHYA .				
REGISTER.NO	U17MT501				
COURSE TITLE	EMBEDDED SOFTWARE DEVELOPMENT CONCEPTS				
	POOR	FAIR	GOOD	VERY GOOD	EXCELLENT
OVERALL PROGRAM		✓			
THE SPEAKER			✓		✓
AUDIO,VISIAL AIDS,TECHNOLOGY USED				✓	✓
PRESENTATION HAND OUTS					✓


STUDENT SIGNATURE



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DEPARTMENT OF MECHATRONICS

VALVE ADDED COURSE FEEDBACK FORM

Date: 9/9/2020

NAME	Yogesh Raj				
REGISTER.NO	U17MT055				
COURSE TITLE	Embedded Software Development Concepts.				
	POOR	FAIR	GOOD	VERY GOOD	EXCELLENT
OVERALL PROGRAM			✓		
THE SPEAKER			✓		
AUDIO,VISIAL AIDS,TECHNOLOGY USED			✓		
PRESENTATION HAND OUTS			✓		

Yogesh Raj
STUDENT SIGNATURE

BHARATH INSTITUTE OF SCIENCE AND TECHNOLOGY

DEPARTMENT OF MECHATRONICS

CERTIFICATE OF PARTICIPATION

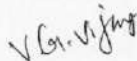
This is to certify that
DINESH

of Bharath Institute of Science and Technology


had attended the 5 day Value Added Program on
EMBEDDED SOFTWARE DEVELOPMENT CONCEPTS

organized by the Department of Mechatronics-

Bharath Institute of Higher Education and Research, Chennai on **5/9/2020 TO 9/9/2020**


V.G. VIJAYA/J. DHANASEKAR

Coordinators


Dr. P. Sengottuvel
Resource Person