



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



Requisition Letter

30.06.2020

FROM

THE HOD

Department of Mechatronics

Bharath Institute of Higher Education and Research

Selayur-Chennai- 73

TO

THE DEAN ENGINEERING

Bharath Institute of Higher Education and Research

Selayur-Chennai- 73

Sir,

Subject: Requisition for online conducting Value Added course reg.

The school of Mechanical sciences had planned to conduct a 5 day value added course on the topic "COURSE ON WORLD OF ROBOTICS" dated from 3.07.2020 to 7.07.2020. In this regard, I request you to kindly grant permission for conducting the same.

Thanking You

HOD

(Dr. Sengottovel)

Dept. of Mechatronics

Dean Engineering

(Dr.J.Hameed Hussain)



Date: 30.6.2020

Department of Mechatronics

Circular

The Department of Mechatronics, BIHER is glad to conduct a 5 - day Value Added Program on “**COURSE ON WORLD OF ROBOTICS**” dated from 3.07.2020 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

Mr. Vinod Kumar,
Associate Professor,
Hindustan college of Engineering,
Chennai.

Maximum No. of registration Allowed – 42

***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

COURSE ON WORLD OF ROBOTICS

OBJECTIVES:

This course will show you allow you to know and specialize in this area. From theoretical bases to practice, discover thanks to the Massive Open Online Courses, the world of robotics. You can learn and understand machine design, the operation of artificial intelligence and a robot.

[DAY: 1]

MODULE I Introduction to Robotics (5 Hrs)

The purpose of this course is to introduce you to basics of modeling, design, planning, and control of robot systems. In essence, the material treated in this course is a brief survey of relevant results from geometry, kinematics, statics, dynamics, and control.

[DAY: 2]

MODULE II Robot anatomy (5 Hrs)

Access WebVI resource files, web service data, and use web services like System Link Tag and Message in your web application.

[DAY: 3]

MODULE III ROBOT simulation (5 Hrs)

To introduce the concept of dynamical composition, reviewing two types: a composition in time that we term "sequential"; and composition in space that we call "parallel." We'll put a bit more focus into that last concept, parallel composition and review what has been done historically,

[DAY: 4]

MODULE IV Robot application (5 Hrs)

Learn about your hosting options during development and how to host your web application to share with users. determine how to integrate your web application into your hardware system to share measurement data and interact with your hardware.

[DAY: 5]

MODULE V : Robot applications-ACTIVITY (5 Hrs)

We develop an approach to composing simple dynamical abstractions that partially automate the generation of complicated sensor motor programs. Specific topics that will be covered include: mobility in animals and robots, kinematics and dynamics of legged machines, and design of dynamical behavior via energy landscapes.



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Value Added Course - COURSE ON WORLD OF ROBOTICS

PARTICIPANTS LIST

S.No	Reg.No	Name	Department
1.	U17ME068	CHALLA GIRREESH GIREESH	Mechanical Engineering
2.	U17ME069	VEMPULURU RAKESH	Mechanical Engineering
3.	U17ME070	MARRIPATI BHARGAV	Mechanical Engineering
4.	U17ME072	CHITTIREDDY PAVAN	Mechanical Engineering
5.	U17ME075	VEDURUPARTHY KANAKA VENKATA SURESH	Mechanical Engineering
6.	U18MT021	M LAKHAN PUROHIT	Mechatronics
7.	U18MT020	DOSURI VENKATA NAGA RAMA NIRMAL	Mechatronics
8.	U18MT019	VASANTH G	Mechatronics
9.	U18MT018	YOGESH M	Mechatronics
10.	U18MT017	KURAPATI JAGADEESH	Mechatronics
11.	U18MT016	EMAYAVARMAN P K	Mechatronics
12.	U18MT015	ROHITH V S	Mechatronics
13.	U18MT014	SATHISH KUMAR B	Mechatronics
14.	U18MT013	E MAGESHWARI	Mechatronics
15.	U18MT012	BRIGHT SELVA KUMARAN A	Mechatronics

16.	U18MT010	MOHAMMED SHARJUN K	Mechatronics
17.	U18MT009	SANJAY C	Mechatronics
18.	U18MT008	VASANTHRADEVI R	Mechatronics
19.	U18MT007	JEBULTONE A	Mechatronics
20.	U18MT006	SANTHOSHKUMAR M	Mechatronics
21.	U18MT005	PRAVEENKUMAR V	Mechatronics
22.	U18MT004	JAGADEESH KUMAR P	Mechatronics
23.	U18MT003	PRAVIN KUMAR V	Mechatronics
24.	U18MT002	ARUN KUMAR S	Mechatronics
25.	U17ME059	BALAJI P	Mechanical Engineering
26.	U17ME062	PAKAM SARATH KUMAR	Mechanical Engineering
27.	U17ME066	YETTELLA BHUVANESWARA REDDY .	Mechanical Engineering
28.	U17ME068	CHALLA GIRREESH GIREESH	Mechanical Engineering
29.	U17ME069	VEMPULURU RAKESH	Mechanical Engineering
30.	U17ME075	VEDURUPARTHY KANAKA VENKATA SURESH .	Mechanical Engineering
31.	U17ME083	MOPURI RAMESH REDDY .	Mechanical Engineering
32.	U17ME089	KALLOL CHAKRABORTY	Mechanical Engineering
33.	U17ME090	LOKIREDDY VENKATA SHIVA KUMAR REDDY	Mechanical Engineering
34.	U17ME093	ANIPEDDI DEEKSHITH	Mechanical Engineering
35.	U17ME096	SOMASEKHAR KAVATI SOMASEKHAR	Mechanical Engineering
36.	U17ME099	DANGETI SATISH	Mechanical Engineering

37.	U17ME100	MARTHALA KARTHIK KUMAR REDDY .	Mechanical Engineering
38.	U17ME101	KATTA GOPI KRISHNA	Mechanical Engineering
39.	U17ME021	DARAM PRITHVI RAJ .	Mechanical Engineering
40.	U17ME035	DAMARLA SAI SANTHOSH .	Mechanical Engineering
41.	U17ME036	FEROZ AKHTAR M A	Mechanical Engineering
42.	U17ME038	HARIRAM K	Mechanical Engineering



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BHARATH INSTITUTE OF SCIENCE & TECHNOLOGY

Selayur, Chennai - 73.

DEPARTMENT OF MECHATRONICS

VALVE ADDED COURSE

Date: 7/7/2020

FEEDBACK FORM

NAME	U18MT003				
REGISTER.NO	PRAVIN kumar				
COURSE TITLE	WORLD OF ROBOTICS				
	POOR	FAIR	GOOD	VERY GOOD	EXCELLENT
OVERALL PROGRAM					✓
THE SPEAKER				✓	✓
AUDIO,VISIAL AIDS,TECHNOLOGY USED					✓
PRESENTATION HAND OUTS					✓


STUDENT SIGNATURE



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Selayur, Chennai - 73.

DEPARTMENT OF MECHATRONICS

VALVE ADDED COURSE FEEDBACK FORM

Date: 7/7/2020

NAME	BALAJI. P				
REGISTER.NO	U17ME059				
COURSE TITLE	WORLD OF ROBOTICS				
	POOR	FAIR	GOOD	VERY GOOD	EXCELLENT
OVERALL PROGRAM		✓			
THE SPEAKER			✓		
AUDIO,VISIAL AIDS,TECHNOLOGY USED				✓	
PRESENTATION HAND OUTS				✓	

Balaji
7/7

BHARATH INSTITUTE OF SCIENCE AND TECHNOLOGY
DEPARTMENT OF MECHATRONICS

CERTIFICATE OF PARTICIPATION

This is to certify that

CHITTIREDDY BHAVAN

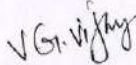
of Bharath Institute of Science and Technology


had attended the 5 day Value Added Program on

COURSE ON WORLD OF ROBOTICS

organized by the Department of Mechatronics-

Bharath Institute of Higher Education and Research, Chennai on **3/7/2020 TO 7/7/2020**


V.G. VIJAYA/J. DHANASEKAR
Coordinators


Dr. P. Sengottuvel
Resource Person