



Requisition Letter

5.2.2021

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 online Value Added course reg.

The school of Mechanical sciences had planned to conduct a 5 day value added course on the topic Course on **"CERTIFICATE COURSE ON HUMANOID ROBOTICS"** dated from **7.2.2021 to 11.2.2021** . In this regard, I request you to kindly grant permission for conducting the same.

Thanking You

HOD

(Dr. Sengottavel)

Dept. of Mechatronics

Dean Engineering

(Dr.J.Hameed Hussain)



Date: 5.2.2021

Department of Mechatronics

Circular

The Department of Mechatronics, BIHER is glad to conduct a 5 - day Value Added Program on “**CERTIFICATE COURSE ON HUMANOID ROBOTICS**” dated from 7.2.2021 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.D.Dinakaran,
Centre for Automation & Robotics,
Chennai.

Maximum No. of registration Allowed – 60

***First come first serve basis.**

Program Coordinator:

Mrs.V.G.VIJAYA

Assistant Professor

Mr.JAIRAJESH

Assistant Professor,

E-Mail: vijayasaravanan84@gmail.com

Mobile: 8870136732


HOD



Bharath

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

Department of Mechatronics

ONLINE CERTIFICATE COURSE ON HUMANOID ROBOTICS

OBJECTIVES:

This course will show The course aims at giving the students a basic understanding of the theory of humanoid robots, i.e. bipedal walking robots with an approximately humanlike shape, and practical knowledge concerning humanoid robots, through a robot construction project.

[DAY: 1]

MODULE I Developing Kinematic Model (5 Hrs)

Create a General solution of forward kinematics for serial chains

[DAY: 2]

MODULE II From Joints to TCP (5 Hrs)

Solving the forward kinematics of a 6-axes robot in 6 steps

[DAY: 3]

MODULE III Test (5 Hrs)

Test your code against this example

[DAY: 4]

MODULE IV Base Frame and Tool (5 Hrs)

Add a base frame and a tool to the forward kinematics solution

[DAY: 5]

MODULE V : Coupling (5 Hrs)

Introduce mechanical coupling between joint axes



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Department of Mechatronics

Value Added Course - CERTIFICATE COURSE ON HUMANOID ROBOTICS

PARTICIPANTS LIST

S.No	Reg.No	Name	Department
1.	U17MT056	SURYA PRAKASH	Mechatronics
2.	U17MT055	YOKESH RAJ	Mechatronics
3.	U17MT054	VASANTH	Mechatronics
4.	U17MT053	GOKULAKRISHNAN	Mechatronics
5.	U17MT052	SATHISH KUMAR	Mechatronics
6.	U17MT051	BOLLEDDU RAVI TEJA	Mechatronics
7.	U17MT050	THIRUMURUGAN	Mechatronics
8.	U17MT049	NIKHILANTONY	Mechatronics
9.	U17MT048	PALANIYAPPAN	Mechatronics
10.	U17MT046	VIGNESHWARAN	Mechatronics
11.	U17MT045	ABDUL RAHAMAN	Mechatronics
12.	U17MT044	BADDITI	Mechatronics
13.	U17MT042	METHIL KRISHNAN	Mechatronics
14.	U17MT040	NIZAMUDEEN	Mechatronics
15.	U17MT039	SAGADEVAN	Mechatronics

16.	U17MT038	DHARANIDHARAN	Mechatronics
17.	U17MT037	DINESH	Mechatronics
18.	U17MT036	SUSHIL KUMAR	Mechatronics
19.	U17MT035	HARIHARAN	Mechatronics
20.	U17MT061	MOHAMMED ABBAS	Mechatronics
21.	U17MT060	DINESHKUMAR	Mechatronics
22.	U17MT059	RAKKESH ARAVIND	Mechatronics
23.	U17MT058	NAGARAJ	Mechatronics
24.	U17MT057	SREE MUKESH	Mechatronics
25.	U17MT056	SURYA PRAKASH	Mechatronics
26.	U17MT055	YOKESH RAJ	Mechatronics
27.	U17MT054	VASANTH	Mechatronics
28.	U17MT053	GOKULAKRISHNAN	Mechatronics
29.	U17MT052	SATHISH KUMAR	Mechatronics
30.	U17MT051	BOLLEDDU RAVI TEJA	Mechatronics
31.	U17MT050	THIRUMURUGAN	Mechatronics
32.	U17MT049	NIKHILANTONY	Mechatronics
33.	U17MT048	PALANIYAPPAN	Mechatronics
34.	U17MT046	VIGNESHWARAN	Mechatronics
35.	U17MT045	ABDUL RAHAMAN	Mechatronics
36.	U16ME035	PARTHAN V	Mechanical Engineering
37.	U16ME041	SUVODEEP RAKSHIT	Mechanical Engineering
38.	U16ME049	MOHAMED ABDULLAH K	Mechanical Engineering
39.	U16ME055	DEEPAK H	Mechanical Engineering

40.	U16ME056	YOGESH P	Mechanical Engineering
41.	U16ME059	JEFRON G	Mechanical Engineering
42.	U16ME062	DANIEL N P	Mechanical Engineering
43.	U16ME066	VASANTH KUMAR R	Mechanical Engineering
44.	U16ME078	KAMASANI SURESH	Mechanical Engineering
45.	U16ME080	MAJID ALI	Mechanical Engineering
46.	U16ME082	HARISH S	Mechanical Engineering
47.	U16ME087	ANAND KUMAR .	Mechanical Engineering
48.	U16ME093	MACHUNURU PRASAD KUMAR REDDY	Mechanical Engineering
49.	U16ME094	GOPAL KUMAR .	Mechanical Engineering
50.	U16ME098	PRAJEESH S NAIR .	Mechanical Engineering
51.	U16MT004	SRINATH B	Mechatronics
52.	U16MT005	DHANASEKAR R	Mechatronics
53.	U16MT006	GOUTHAM M	Mechatronics
54.	U16MT007	SATHIYASEELAN S	Mechatronics
55.	U16MT008	RAKESH P	Mechatronics
56.	U16MT009	ABDUL FAHEEM S	Mechatronics
57.	U16MT010	SAKTHI R	Mechatronics
58.	U16MT011	MELVINE ROHAN R	Mechatronics
59.	U16MT014	SARATHKUMAR D	Mechatronics
60.	U16MT002	RAAHUL GANESH R	Mechatronics



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BHARATH INSTITUTE OF SCIENCE & TECHNOLOGY

Selaiyur, Chennai - 73.

DEPARTMENT OF MECHATRONICS

VALVE ADDED COURSE
FEEDBACK FORM

Date: 7/2/21

NAME	U17MT042				
REGISTER.NO	MITHAL Krishnan.				
COURSE TITLE	CERTIFICATE COURSE ON HUMANOID ROBOTICS				
	POOR	FAIR	GOOD	VERY GOOD	EXCELLENT
OVERALL PROGRAM					✓
THE SPEAKER				✓	
AUDIO,VISIAL AIDS,TECHNOLOGY USED			✓		
PRESENTATION HAND OUTS					✓

Mithal Krishnan
TR



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Selaiyur, Chennai - 73.

DEPARTMENT OF MECHATRONICS

VALVE ADDED COURSE
FEEDBACK FORM

Date: 7/2/2021

NAME	U17MT045				
REGISTER.NO	Abdul Rahman.				
COURSE TITLE	Certificate course on Humandoid Robots				
	POOR	FAIR	GOOD	VERY GOOD	EXCELLENT
OVERALL PROGRAM				✓	
THE SPEAKER			✓		
AUDIO,VISIAL AIDS,TECHNOLOGY USED				✓	
PRESENTATION HAND OUTS				✓	

Abdul Rahman
7/2

BHARATH INSTITUTE OF SCIENCE AND TECHNOLOGY
DEPARTMENT OF MECHATRONICS

CERTIFICATE OF PARTICIPATION

This is to certify that

SATHISHKUMAR

of Bharath Institute of Science and Technology

had attended the 5 day Value Added Program on " *CERTIFICATE COURSE ON
HUMANOID ROBOTICS*

organized by the Department of Mechatronics-

Bharath Institute of Higher Education and Research, Chennai on *7/2/2021 TO 11/2/2021*

V.G. Vijaya
J. J. Rajesh
V.G.VIJAYA/J.JAIRAJESH

Coordinators

Dr. P. Sengottuvel
Dr. P. Sengottuvel
Resource Person