



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

Date: 03.02.2020

Department of Mechatronics

Circular

The Department of Mechatronics, BIHER is glad to conduct a 5 - day Value Added Program on “**Course on Automation in Industries**” dated from 09.02.2020 to 13.02.2020 for a period of 30 hours. Those who are interested to participate do register your name with the program coordinator mentioned below.

Resource persons:

Dr.P. Sengottuvel.,
HOD and Professor,
BIHER

Mr. R. Raj Narayanan

Assistant – Project Engineer

Malles Automated and Robotic Systems Pvt. Ltd.

New No.19,Tanjore Road, Near Panagal Park,T-Nagar, Chennai - 600 017.

Maximum No. of registration Allowed – 60

***First come first serve basis.**

Program Coordinator:

Mr.M.Chandra Mohan

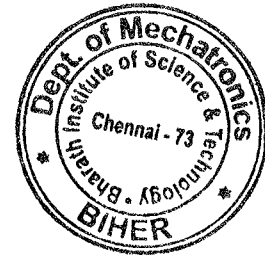
Assistant Professor

Mrs.G.Vasumathi

Assistant Professor/ Mechatronics

E-Mail: vasumathi.mt@bharathuniv.ac.in

Mobile: 9788644964





Bharath

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

Department of Mechatronics

Course on Automation in Industries

OBJECTIVES:

The objective of this course to introduce the basic concepts and components of sensors, switching elements .To learn the automation concepts based on industrial applications

[DAY: 1] MODULE I

(6 Hrs)

Actuators: Types of motion Conversion- Electric Linear actuators-Electric Rotary Actuators-Fluid Power Linear Actuators-Fluid power Rotating Actuators Sensors: Binary Position Sensors-Pneumatic Position Sensors-Comparison between different position sensors-Point sensors for variables other than position.

[DAY:2] MODULE II

(6 Hrs)

Binary Elements-variables-basic logic gates-Basic theorems-K Map- Practical examples of switching systems –Timers-counters-Schmitt triggers-encoders-parity detector-binary comparator

[DAY: 3] MODULE III

(6 Hrs)

Drum Programmers-Programmable Timers and Limit Switches-Card and Tape recorders-Matrix boards-Programmable counters.

[DAY: 4] MODULE IV

(6 Hrs)

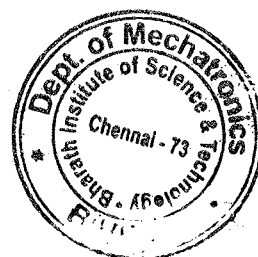
PLC construction-Programming PLC- Ladder diagrams for PLC-PLC vs. Relay-PLC applications-Microcomputer architecture-Ramping a step motor-Assembly language Programming.

[DAY: 5]






MODULE V:

(6 Hrs)

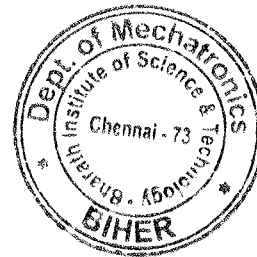
Non Vibratory Feeding and orientation Devices-Vibratory feeding and orienting Devices-Parts TransferNC systems-Robot grippers-Robot Sensors-Robot Programm.



Model Certificate

			Bharath INSTITUTE OF HIGHER EDUCATION AND RESEARCH <small>Chartered by Government of Tamil Nadu, Act No. 106</small>		NAAC NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL	
BHARATH INSTITUTE OF SCIENCE AND TECHNOLOGY						

CERTIFICATE OF PARTICIPATION		
<i>This is to certify that</i>		
Prof./Dr./Mr./Ms.		
Of		
BHARATH INSTITUTE OF SCIENCE AND TECHNOLOGY, BIHER, CHENNAI.		
He /She has Participated in a Value Added Program on "Course on Automation in Industries" organized by the School of Mechanical Sciences , Department of Mechatronics, on 09 th to 13 th March 2020.		
Coordinator Mr.M.Chandra Mohan	Convener Dr.P.Sengottuvel	Dean-Engineering Dr.J.Hameed Hussain





Bharath

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

Department of Mechatronics

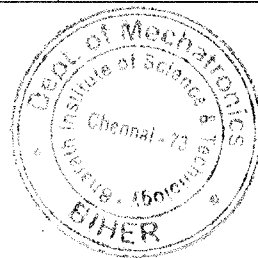
Value Added Course - Course on Automation in Industries

PARTICIPANTS LIST

S.No	Reg.No	Name	Department
1.	U16MT001	PRADEEPAN S	Mechatronics
2.	U16MT002	RAAHUL GANESH R	Mechatronics
3.	U16MT003	DINESH J	Mechatronics
4.	U16MT004	SRINATH B	Mechatronics
5.	U16MT005	DHANASEKAR R	Mechatronics
6.	U16MT006	GOUTHAM M	Mechatronics
7.	U16MT007	SATHIYASEELAN S	Mechatronics
8.	U16MT008	RAKESH P	Mechatronics
9.	U16MT009	ABDUL FAHEEM S	Mechatronics
10.	U16MT010	SAKTHI R	Mechatronics
11.	U16MT011	MELVINE ROHAN R	Mechatronics
12.	U16MT014	SARATHKUMAR D	Mechatronics
13.	U16MT015	SOMENDRAN A	Mechatronics
14.	U16MT017	Y MOHAMMED SHAHID SHARIFF	Mechatronics
15.	U16MT018	RATHISH KRISHNAN R	Mechatronics
16.	U16MT501	MUGILAN M	Mechatronics
17.	U17MT042	METHIL KRISHNAN A H	Mechatronics

18.	U17MT044	BADDITI YESOBU	Mechatronics
19.	U17MT045	ABDUL RAHAMAN S	Mechatronics
20.	U17MT046	VIGNESHWARAN V	Mechatronics
21.	U17MT048	PALANIYAPPAN S	Mechatronics
22.	U17MT049	NIKHILANTONY K J	Mechatronics
23.	U17MT050	THIRUMURUGAN G	Mechatronics
24.	U17MT051	BOLLEDDU RAVI TEJA .	Mechatronics
25.	U17MT052	SATHISH KUMAR S	Mechatronics
26.	U17MT053	GOKULAKRISHNAN U	Mechatronics
27.	U17MT054	VASANTH S	Mechatronics
28.	U17MT055	YOKESH RAJ V	Mechatronics
29.	U17MT056	SURYA PRAKASH N	Mechatronics
30.	U17MT057	SREE MUKESH R V	Mechatronics
31.	U17MT058	NAGARAJ P	Mechatronics
32.	U17MT059	RAKKESH ARAVIND G	Mechatronics
33.	U17MT060	DINESHKUMAR S	Mechatronics
34.	U17MT061	MOHAMMED ABBAS A	Mechatronics
35.	U17MT501	ADITHIYA M	Mechatronics
36.	U17MT502	MUTHU VIJAY RAJA V	Mechatronics
37.	U17MT503	DISHAN ASIR RAJ R	Mechatronics
38.	U17MT504	ARAVIND K	Mechatronics
39.	U17MT701	KEERTHIVASAN G	Mechatronics
40.	U17MT703	KOLLATI NAGA SIVA .	Mechatronics
41.	U18MT020	DOSURI VENKATA NAGA RAMA NIRMAL .	Mechatronics

42.	U18MT021	M LAKHAN PUROHIT .	Mechatronics
43.	U18MT022	JITENDER SUTHAR .	Mechatronics
44.	U18MT023	SHAIK AMEER .	Mechatronics
45.	U18MT024	KOTELLA PRATHAP REDDY .	Mechatronics
46.	U18MT025	SANGAL DHARUV ALOK .	Mechatronics
47.	U18MT026	BALA MURUGAN P	Mechatronics
48.	U18MT028	S AKASH .	Mechatronics
49.	U18MT029	GARAPATI NAGA VEERA VENKATA DURGA PRASAD	Mechatronics
50.	U18MT030	CHILUKURI V D R SURYA CHOWDARY .	Mechatronics
51.	U18MT032	ASLAM HAMEED N .	Mechatronics
52.	U18MT033	MOHAMED NAFIL B	Mechatronics
53.	U18MT034	ROHITH JOSEPH S .	Mechatronics
54.	U18MT501	VIGNESH S	Mechatronics
55.	U18MT701	KARTHIKEYAN M	Mechatronics
56.	U18MT702	AJITH S	Mechatronics
57.	U18MT703	JAINUL AHAMEDSHA A	Mechatronics
58.	U18MT704	MOHAMMAD RIYAZ M	Mechatronics
59.	U18MT705	SHALISHWARAN T	Mechatronics
60.	U18MT706	TIRUMANI BULLI RAJU	Mechatronics





Bharath

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

Department of Mechatronics

Value added course on Course on Automation in Industries

