



5ME3-21: MECHATRONICS LAB

3 Axis Robotic Arm with any One Special Functionality from 4th Axis/Mobile/Bluetooth/Mobile operated

To enhance soft skill of students of B. Tech. V semester, Session: 2021-22

The lab project should be performed any specific work(s) so as to make a meaning full machine/device. Few examples of the camera based projects are: Surveillance system, Motion Detector, Voice Controlled, Object Tracking, Object Detector. You may choose any other on the basis of same concept.

Evaluation of the self-finance project is based on:
(a) Innovation/Novelty, (b) Use of advance systems,
(c) Level of complexity (d) Operations OR Work performed (e) Amount of waste-material used in construction.

Note: A brief report of the project to be submitted along with 2 minutes video for YouTube Channel

The project should be based on Arduino board



Each group contents 4/5 No. of students and is as per attached list of M1, M2 and M3

The project should be portable enough

Live demonstration and Presentation of project will be held on the date of DECA during practical examination

Course Coordinator

Tarun K. Aseri
(Asst. Prof.)
Mechanical Engg. Deptt.
Engineering College Ajmer, Raj.

Mob: 9414915980
tarunaseri@ecajmer.ac.in

Groups of Students

M1				M2				M3			
S.No.	Roll No	Name	Group	S.No.	Roll No	Name	Group	S.No.	Roll No	Name	Group
1	19ME01	Abhinav Kaswan	M1-A	30	19ME30	Divyanshu Vaishnav	M2-A	59	19ME59	Rahul Dhayal	M3-A
2	19ME02	Abhishek Parmar		31	19ME31	Ekshit Verma		60	19ME60	Rahul Paliwal	
3	19ME03	Abhishek Yadav		32	19ME32	Gaurav Sharma		61	19ME61	Raj Patel	
4	19ME04	Ajay Kumar		33	19ME33	Gautam Mathur		62	19ME62	Rajat Dahiya	
5	19ME05	Ajay Meena		34	19ME34	Golu Meena		63	19ME63	Rajpal Singh Chouhan	
6	19ME06	Akshat Kumawat	M1-B	35	19ME35	Gulshan Kumar Tunwal	M2-B	64	19ME64	Rakshita Jarwal	M3-B
7	19ME07	Anil Kumar Sharma		36	19ME36	Havi Raj Singh Shaktawat		65	19ME65	Ritesh Agrawal	
8	19ME08	Anish Choudhary		37	19ME37	Hitesh Kumar		66	19ME66	Ruchin	
9	19ME09	Anjali Goura		38	19ME38	Hritika Vaishnav		67	19ME67	Sagar Singh Rawat	
10	19ME10	Ankit Gurjar		39	19ME39	Jairam Buldak		68	19ME68	Sahil Angral	
11	19ME11	Ankit Sharma	M1-C	40	19ME40	Jitendra Saran	M2-C	69	19ME69	Sandeep Kumawat	M3-C
12	19ME12	Ankit Verma		41	19ME41	Khushal Yadav		70	19ME70	Saurabh Dagla	
13	19ME13	Antima Meena		42	19ME42	Kiran Choudhary		71	19ME71	Shakti Singh Rawat	
14	19ME14	Arpit Chaturvedi		43	19ME43	Kishor Meena		72	19ME72	Shambhu Singh Chundawat	
15	19ME15	Arvind Singh		44	19ME44	Krishna Yadav		73	19ME73	Shubhi Agarwal	
16	19ME16	Ashish Kumar Berwa	M1-D	45	19ME45	Kulvendra Singh Nohwar	M2-D	74	19ME74	Sunil Choudhary	M3-D
17	19ME17	Bhavish Kumar Maida		46	19ME46	Lavkesh Saini		75	19ME75	Sunil Kumar	
18	19ME18	Bhupendra Sharma		47	19ME47	Laxmi Narayan		76	19ME76	Tanuj Gupta	
19	19ME19	Bhupendra Singh		48	19ME48	Manish Kumar Meena		77	19ME77	Tosham Kumar	
20	19ME20	Chirag Gupta		49	19ME49	Mohammed Ismail		78	19ME78	Uday Singh	
21	19ME23	Deepak Kumar Mahawar	M1-E	50	19ME50	Naveen Meena	M2-E	79	19ME79	Udit Saini	M3-E
22	19ME22	Deepak Kumar s/o Giraj Prashad		51	19ME51	Nikita Bhati		80	19ME80	Ujjwal Kumar	
23	19ME21	Deepak Kumar s/o Ratan lal		52	19ME53	Nikunj Arora		81	19ME81	Vaibhav Jain	
24	19ME24	Devansh Khatri		53	19ME52	Nitish Soni		82	19ME82	Vijay Kumar	
25	19ME25	Devendra Yadav		54	19ME54	Pankaj Kumar Chejara		83	19ME83	Vikash Palsania	
26	19ME26	Dheeraj Kumawat	M1-F	55	19ME55	Piyush Singh	M2-F	84	19ME84	Vinay Gehlot	M3-F
27	19ME27	Diksha Dobwal		56	19ME56	Puneet Singh Gurjar		85	19ME85	Vineet Kumar Singh	
28	19ME28	Dileep Septa		57	19ME57	Rahul Chanwaria		86	19ME86	Yash Gehlot	
29	19ME29	Divyansh Ameta		58	19ME58	Rahul Detwal		87	19ME87	Yashasvi Singh Kushwaha	