



6ME9A: MECHATRONICS LAB PROJECT 3D CNC MACHINE

To enhance soft skill of students of B. Tech. VI semester, Session: 2018-19

The term “CNC” is a generic term which can be used to describe many types of device, this would include plotters, vinyl cutters, 3D printers, milling machines and others. CNC stands for Computer Numerically Controlled and basically means that the physical movements of the machine are controlled by instructions, such as co-ordinate positions that are generated using a computer.

Evaluation of the self-finance project is based on: (a) Innovation/Novelty, (b) Level of complexity (c) Operations performed (like 2D-scketching, laser-cutting, 3D Printing, 3D-cutting, etc.) (d) Amount of waste-material used in construction.

The project should be based on Arduino board

Each group contents 6 No. of students (except M4-D) and is as per attendance list

The Project carry 50% marks of Lab

Table top basis, three axis movement

Live demonstration and Poster Presentation of project at the end of semester

Course Coordinator

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Groups of Students

College ID	Name of Student	Group		College ID	Name of Student	Group
16ME01	Aakash Jain	M1-A		16ME40	Muskan Agrawal	M3-A
16ME02	Aashish Singh Bisht			16ME41	Narayan	
16ME03	Abhishek Jangid			16ME42	Naveen Van	
17ME81D	Abhishek Kumawat			16ME43	Nitesh Gahan	
16ME04	Abhishek Singh Sikarwar			16ME44	Omprakash Prajapat	
16ME05	Aftab Akhtar			16ME45	Payal Jindal	
16ME06	Amarchand Saran	M1-B		16ME46	Payal Pareek	M3-B
16ME07	Anil Kumar			16ME47	Pooja Prajapat	
16ME08	Ankit Sharma			16ME48	Prachi Gehlot	
16ME09	Arpit Sharma			16ME49	Prateek Jain	
17ME82D	Arun K. Yadav			16ME50	Praveen Saini	
16ME10	Arvind Singh			16ME51	Priyanshu Chhabra	
16ME11	Avnish Singh	M1-C		16ME52	Punit Kumar Verma	M3-C
16ME12	Bablu Kumar			16ME53	Purushottam Malav	
17ME83D	Bhagat Singh			16ME54	Radhika Joshi	
16ME13	Deepak Sangwan			16ME55	Rahul Kumar Khatri	
16ME14	Devender Singh Rawat			16ME56	Rajani Kumawat	
16ME15	Dheeraj Kumar			16ME57	Rakesh Omprakash Kumhar	
16ME16	Digvijay Gurjar	M1-D		16ME58	Ravi Suman	M3-D
16ME17	Ganesh Kumawat			16ME59	Ritansha Kanwar Nathawat	
16ME18	Gaurav Meena			16ME60	Rohit Nagar	
16ME19	Gauri Shanker Saini			16ME61	Rohit Yadav	
16ME20	Hariom Gurjar			16ME62	Sachin	
16ME21	Harsimran Preet Singh Sandhu			16ME63	Sachin Sharma	
16ME22	Hemant Kumar Bairwa	M2-A		16ME64	Sandeep Kumar Kumawat	M4-A
17ME84D	Himanshu Mishra			17ME90D	Sanjay Patiwal	
16ME23	Himanshu Yadav			17ME91D	Sanjay S. Rathore	
16ME24	Jitender Rathi			17ME92D	Shahid Ali	
16ME25	Jyoti Barwar			16ME65	Shaitan Banjara	
16ME26	Kamlesh Choudhary			16ME66	Sharawan Kumar	
16ME27	Kamlesh Kumar Kumawat	M2-B		16ME67	Sheetal Vaishnav	M4-B
16ME28	Kapil Jangid			16ME68	Shubham Sharma	
16ME29	Karan Kharbas			16ME69	Sourabh Meena	
16ME30	Khushwant Singh Chauhan			17ME93D	Surendra Singariya	
17ME85D	Kishan S Uthad			16ME70	Surjeet Chahar	
17ME86D	Kushal Raman			17ME94D	Syed Mohammad Fahim	
16ME31	Lokesh Kumar	M2-C		16ME71	Taga Ram	M4-C
17ME87D	Madan Mohan			16ME72	Tansukh	
16ME32	Madhuri Meena			16ME73	Tushar Meena	
17ME88D	Mahender Jangid			16ME74	Vikas Dodwariya	
16ME33	Manoj Kumar Gurjar			16ME75	Vikas Pareek	
16ME34	Manoj Meena			16ME76	Vikram Kumar Meena	
16ME35	Mayank Chaturvedi	M2-D		17ME95D	Vipul Sharma	M4-D
16ME36	Mayank Kumar Gaur			16ME77	Vivek Samriya	
16ME37	Mayank Sharma			16ME78	Yogesh Kumar	
17ME89D	Md. Nizamuddin Miyan			16ME79	Yogesh Kumar	
16ME38	Mitesh Jangid			16ME80	Yogesh Kumar Prajapati	
16ME39	Mukesh Kumar					