



UTTARAKHAND BOARD OF TECHNICAL EDUCATION
INSTITUTE OF RESEARCH DEVELOPMENT & TRAINING
(STUDY AND EVALUATION SCHEME FOR DIPLOMA PROGRAMME)



BRANCH NAME: MECHATRONICS

SEMESTER – III

BRANCH CODE: 45

Course Code	Course Title	TH	T	P	T O T	EVALUATION SCHEME						Total Marks	Total Credit
						Internal Assessment		External					
						Theory	Practical	Theory		Practical			
						Max Marks	Max Marks	Max Marks	Duration in Hrs.	Max Marks	Duration in Hrs.		
Periods Per Week						Max Marks	Max Marks	Max Marks	Duration in Hrs.	Max Marks	Duration in Hrs.		
453001	Manufacturing Engineering	4	0	4	8	30	20	50	2.5	50	3.0	150	6
453002	Electrical Machines	4	0	4	8	30	20	50	2.5	50	3.0	150	6
453003	Digital Electronics	4	0	0	4	50	0	50	2.5	0	-	100	4
453004	Analog Electronics & Devices	4	0	4	8	30	20	50	2.5	50	3.0	150	6
453005	Basic Concepts of Mechatronics	4	0	0	4	50	0	50	2.5	0	-	100	4
433004	'C' Programming	4	0	4	8	30	20	50	2.5	50	3.0	150	6
453006	Computer Aided Machine Drawing Practice	0	0	4	4	0	50	0	-	50	3.0	100	2
AS301	Summer Internship-I (3-4 Week duration After II sem)	-	-	-	-	-	25	-	-	25	3.0	50	2
013054	General Proficiency	0	0	4	4	-	25	-	-	-	-	25	-
453052	Industrial Exposure	-	-	-	-	-	25	-	-	-	-	25	-
	Total	24	0	24	48	220	205	300	-	275	-	1000	36

General Proficiency : will comprise of various co-curricular activities like games, hobby clubs, seminars, declamation contests, extension lectures, NCC, NSS, cultural activities and discipline etc.

Industrial Exposure : compulsory at minimum 2 Industries or Departments.

Major Project: It is divided in to two parts (Major Project-I & Major Project-II). Major Project will be initiated in V Semester and will get complete in VI Semester.

Note :-

1. Each period will be of 50 minutes.
2. Each session will be of 16 weeks.
3. Effective teaching will be at least 12.5 weeks.