

Dr. Ambedkar Institute of Technology, Bangalore-560056

(An Autonomous Institution Affiliated to VTU, Belagavi)

Inter Departmental Electives (UG) – EVEN Semester 2020-21

Sl. No	Subject Title	Subject Code	Prerequisite	Depts. For which course can be offered	Room No	Teaching Dept	No. of Section	Credits
01	Integrated Solid Waste Management (VI Sem)	18CVE03	Environmental Science	All Depts (Except CV)	S007	CV	1	3
02	Photogrammetry & Remote Sensing (VI Sem)	18CVE04	Digital Image Processing, Satellite Images	All Depts (Except CV)	S110	CV	1	3
03	Operations Research (VI sem)	18MEE04	Nil	All depts. (Except ME)	---	ME	1	3
04	Energy and Environment (VI Sem)	18MEE05	Elements of Mechanical Engineering	All depts. (Except ME)	---	ME	1	3
05	Engineering Economics (VI Sem)	18MEE06	Engineering Mathematics	All depts. (Except ME)	---	ME	1	3
06	Electrical Vehicle Technology (VI Sem)	18EEE02	NIL	All Departments	A-214	EEE	1	3
07	Automotive Safety Measurements (VI Sem)	18ECE05	Basic Electronics	ME, IEM, EE	C-313	ECE	1	3
08	Nano Electronics (VI Sem)	18ECE06	Basic Electronics	CS, IS, ML, TC, ME	C-319	ECE	1	3
09	Wireless Sensor Networks (VI Sem)	18ECE07	Basic Electronics	EI, ML, EE	C-322	ECE	1	3

11	Robotics and Machine vision systems (VI Sem)	18ECE08	Basic Electronics	ME, EI, EE, ML	C-210	ECE	1	3
12	Aircraft Instrumentation (VI sem)	18EIE03	NIL	All departments	C-403	EIE	1	3
13	Robotics and Applications (VI Sem)	18EIE04	NIL	All departments	C-403	EIE	1	3
14	Quality Assurance & Reliability (VI sem)	18ME02	Statistics	All departments	A-322	IEM	1	4
15	Wireless Sensor Networks (VI)	18CSE021	Basics of Computer Networks	EC, TC, ISE	C-116	CSE	1	3
16	Storage Area Network (VI)	18CSE022	Basics of Computer Networks	EC, TC, ISE	C-119	CSE	1	3
17	Adhoc Wireless Networks (VI)	18CSE023	Basics of Computer Networks	EC, TC, ISE	C-116	CSE	1	3
18	Data Science (VI)	18CSE024	Python Programming	Any Branch	C-119	CSE	1	3
19	Satellite Communication (VI)	18TEE02	Analog Communication concepts	EC, EI, EE, ML	C-415	ETE	1	3
20	data-structures using C++ (VI)	18TEE03	Knowledge of C or C++ Programming	All Branches	C-410	ETE	1	3
21	Data Base Management System (VI sem)	18ISE021	NIL	All Engineering Departments	D-109	ISE	1	3
22	Medical Informatics (VI)	18MLE02	NIL	All Depts. (Except CV & IEM)	B-312	ML	1	3

23	Advanced Numerical Methods (VI Sem)	18MAE01	NIL	ALL Departments	---	Mathematics	1	3
24	Mathematical Transforms & Tensor Analysis (VI Sem)	18MAE03	NIL	ALL Departments	---	Mathematics	1	3
25	Project Management for Engineers (VI Sem)	18MBAE01	Those who have not studied in 5 th semester	All B.E. Programmes	---	MBA	1	3
26	Personality Development Programme (VI Sem)	18MBAE02	Those who have not studied in 5 th semester	All B.E. Programmes	---	MBA	1	3
27	Financial Management for Engineers (VI Sem)	18MBAE03	Those who have not studied in 5 th semester	All B.E. Programmes	---	MBA	1	3
28	International Business Management (VI Sem)	18MBAE04	Those who have not studied in 5 th semester	All B.E. Programmes	---	MBA	1	3
29	Data Science using Python	20MCAE01	NIL	All Branches, The students who have not opted during ODD semester	D-208	MCA	1	3
30	Professional Practical for higher education	20MCAE02	NIL	All Branches, The students who have not opted during ODD semester	D-204	MCA	1	3