

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	Ecology & Environmental Impact Assessment (VIII Sem)	CVE03	Environmental Science	All Depts (Except CV)	S108	CV	1	4
02	Remote Sensing & Geographical Information System(VIII Sem)	CVE04	Digital Image Processing, Digital Sensors.	All Depts (Except CV)	S109	CV	1	4
03	Operations Research (VIII Sem)	MEE01	NIL	All depts. (Except ME)	---	ME	1	4
04	Solar Thermal Engineering (VIII Sem)	MEE02	Elements of Mechanical Engineering	All depts. (Except ME)	---	ME	1	4
05	Power Plant Engineering(VIII Sem)	MEE03	Elements of Mechanical Engineering, Engineering Mathematics	All depts. (Except ME)	---	ME	1	4
06	Product Design and Development (VIII Sem)	MEE04	NIL	All depts. (Except ME)	---	ME	1	4
07	Composite Materials Technology (VIII Sem)	MEE05	NIL	All depts. (Except ME)	---	ME	1	4

08	Electromagnetic Compatibility (VIII Sem)	EEE04	NIL	ECE, EIE, ETE, ML, CSE, ISE	A-205	EEE	1	4
09	Semiconductor Fabrication (VI Sem)	ECE03	Basic Electronics	EE, EI, TC, IS, CS, ML	C-214	ECE	1	4
10	Wireless Sensor Networks (VI Sem)	ECE04	Basic Electronics	CV, EE, EI, IS, ML	C-216	ECE	1	4
11	Mobile Communication (VI Sem)	ECE05	Basic Electronics	EE, EI, IS, ML	C-302	ECE	1	4
12	Sensors (VI Sem)	ECE08	Basic Electronics	CV, ME, EE, EI, TC, IS, CS, ML	C-217	ECE	1	4
13	Operations Research (VIII sem)	IME02	NIL	All departments	A-322	IEM	1	4
14	Aircraft Instrumentation (VIII Sem)	EIE02	NIL	All departments	C-404	EIE	1	4
15	Internet of Things (VIII)	CSE04	Basics of Computer Networks	EC, TC, ISE	C-116	CSE	1	4
16	Object Oriented Modeling and Design (VIII)	CSE05	Object Oriented Programming Concepts	EC, TC, ISE	C-119	CSE	1	4
17	Real Time Operating Systems (VIII)	TEE02	Basic Computer Concepts	EC, EI, EE, ML	C-410	ETE	1	4
18	DSP Algorithms & Architecture (VIII)	TEE03	Knowledge of Digital Signal Processing	EC, EI, EE, ML	C-415	ETE	1	4
19	JAVA Programming	ISE06	NIL	All Engineering Department	D-004	ISE	1	4

20	Medical Devices Safety & Regulations (VIII)	MLE02	NIL	All Depts. (Except CV & IEM)	A-302	ML	1	4
21	Materials Science and Engineering (VIII)	PHE01	Basic knowledge in Physics, Chemistry & Mathematics	All Depts. (Except ME)	---	Physics	1	
22	Chemistry of Engineering Materials (VIII)	CHE01	Knowledge of basic concepts of Chemistry	All Departments	---	Chemistry	1	4