

PSG College of Arts & Science, Coimbatore – 14.

Scheme of Learning and Evaluation

Programme: BSc Electronics (Aided)

Course Code	Course Title	Course Category	Course Type	Part Type	Semester	Credits
22LAT101N	Tamil-I	ELECTIVE	THEORY	1	1	3
22LAH101N	Hindi-I	ELECTIVE	THEORY	1	1	3
22LAF101N	French-I	ELECTIVE	THEORY	1	1	3
22EU101N	Communicative English-I: Interpersonal Communication	CORE	THEORY	2	1	3
22ELU101N	Major Course-Electric Circuits	CORE	THEORY	3	1	3
22ELU102N	Major Course-Semiconductor Devices	CORE	THEORY	3	1	3
22ELU103N	Minor Course(Inter Disciplinary course) Mathematics-I	CORE	THEORY	3	1	4
22ELU207N	Practical-I (Skill Based) Electric Circuits Lab	CORE	PRACTICAL	3	1	0
22ELU208N	Practical-II (Skill Based) Semiconductor Devices Lab	CORE	PRACTICAL	3	1	0
22LAT202N	Tamil-II	ELECTIVE	THEORY	1	2	3
22LAH202N	Hindi-II	ELECTIVE	THEORY	1	2	3
22LAF202N	FRENCH - II - FRENCH LANGUAGE & CULTURE - II	ELECTIVE	THEORY	1	2	3
22EU202N	Communicative English-II: Academic Communication	CORE	THEORY	2	2	3
22ELU204N	Electronic Circuits	CORE	THEORY	3	2	3
22ELU205	Electric Machines and Instruments	CORE	THEORY	3	2	3
22ELU206N	Mathematics-II for Electronics	CORE	THEORY	3	2	4
22ELU207N	Practical-I-Electric Circuits Lab (Skill Based)	CORE	PRACTICAL	3	2	2
22ELU208N	Practical-II-Semiconductor Devices Lab (Skill Based)	CORE	PRACTICAL	3	2	2
23AECU201	Ability Enhancement Compulsory Course-I: Values and Ethics for Human Excellence	CORE	THEORY	4	2	2
23LAT303N	Tamil-III	ELECTIVE	THEORY	1	3	3
23LAH303N	Hindi-III	ELECTIVE	THEORY	1	3	3
23LAF303N	French-III	ELECTIVE	THEORY	1	3	3
23EU303N	Communicative English-III: Developing English Language Skills Through Literature	CORE	THEORY	2	3	3
23ELU309N	Major Course-Digital Electronics	CORE	THEORY	3	3	4
23ELU310N	Major Course-Digital and Linear IC's	CORE	THEORY	3	3	4
23ELU311N	Minor Course(Inter Disciplinary Course)-C Programming-(CM)	CORE	THEORY	3	3	3

23ELU312N	Minor(Inter Disciplinary Course)Practical III-C Programming Lab-(CM)	CORE	PRACTICAL	3	3	2
23ELU416N	Major Course-Practical-IV-Digital Electronics Lab	CORE	PRACTICAL	3	3	0
23ELU417N	Major Course-Practical-V-Electronic Circuits Lab	CORE	PRACTICAL	3	3	0
22AECU302	Ability Enhancement Compulsory Course-II:Environmental Studies & Sustainable Development Goals	CORE	THEORY	4	3	2
23LAT404N	Tamil-IV	ELECTIVE	THEORY	1	4	3
23LAH404N	Hindi-IV	ELECTIVE	THEORY	1	4	3
23LAF404N	FRENCH - IV FRENCH LITERATURE & GRAMMAR - II	ELECTIVE	THEORY	1	4	3
23EU404N	Communicative English-IV:English for Career	CORE	THEORY	2	4	3
23ELU413N	Electronic Communication I	CORE	THEORY	3	4	3
23ELU414N	Power Electronics	CORE	THEORY	3	4	3
23ELU415N	Python Programming and Applications	CORE	THEORY	3	4	3
23ELU416N	Practical-IV-Digital Electronics Lab (Skill Based)	CORE	PRACTICAL	3	4	2
23ELU417N	Practical-V-Electronic Circuits Lab (Skill Based)	CORE	PRACTICAL	3	4	2
23ELU418N	Practical-VI-Python Programming Lab (Skill Based)	CORE	PRACTICAL	3	4	2
22SECU401	Skill Enhancement Course-I:Information Security	CORE	THEORY	4	4	2
23ELU519	Major Course-Electronic Communication-II	CORE	THEORY	3	5	4
23ELU520	Major Course-Industrial Automation	CORE	THEORY	3	5	4
23ELU521	Major Course-8051 Microcontroller	CORE	THEORY	3	5	4
23ELU522A	Discipline Specific Elective Course-I-Computer Hardware and Networking	CORE	THEORY	3	5	4
23ELU631	Project / Innovation / Start-up	CORE	TRAINING	3	5	6
23ELU628	Major Course-Practical-VII-Electronic Communication Lab	CORE	PRACTICAL	3	5	0
23ELU629	Major Course-Practical-VIII-Power Electronics Lab	CORE	PRACTICAL	3	5	0
23ELU630	Major Course-Practical-IX-Embedded Systems Lab	CORE	PRACTICAL	3	5	0
22SECU502	Skill Enhancement Course-II:Indian Knowledge System [Computer based Test]	CORE	THEORY	4	5	2
23ELU624	VLSI Design	CORE	THEORY	3	6	4
23ELU625	PIC Microcontroller	CORE	THEORY	3	6	5
23ELU626	Arduino and IoT	CORE	THEORY	3	6	5
23ELU627B	Major Elective Course II: Automotive Electronics	CORE	THEORY	3	6	4

23ELU628	Practical-VII-Electronic Communication Lab	CORE	PRACTICAL	3	6	2
23ELU629	Practical-VIII-Power Electronics Lab	CORE	PRACTICAL	3	6	2
23ELU630	Practical-IX-Embedded Systems Lab	CORE	PRACTICAL	3	6	2
23ELU631	Project / Innovation / Start-up	CORE	PROJECT	3	6	6