

B.SC ELECTRONICS PROGRAMME
SCHEME OF LEARNING AND EVALUATION
(For the students admitted in the academic year 2025 – 2026 & onwards)
Outcome Based Curriculum Framework with CBCS

Course Code	Course Title	Course Category	Course Type	Part Type	Lecture Hours	Tutorial Hours	Practical Hours	Course Credits	Max CA Marks	Max CE Marks	Total Marks
SEMESTER - I											
25LAT101	TAMIL-I	ELECTIVE	THEORY	1	6	0	0	3	25	75	100
25LAH101	HINDI-I	ELECTIVE	THEORY	1	6	0	0	3	25	75	100
25LAF101	FRENCH-I FRENCH CULTURE COMMUNICATION-I	ELECTIVE	THEORY	1	6	0	0	3	25	75	100
25EU101	COMMUNICATIVE ENGLISH-I: INTERPERSONAL COMMUNICATION	CORE	THEORY	2	6	0	0	3	25	75	100
25ELU101	ELECTRIC CIRCUITS	CORE	THEORY	3	3	1	0	3	25	75	100
25ELU102	SEMICONDUCTOR DEVICES	CORE	THEORY	3	3	1	0	3	25	75	100
25ELU103	MATHEMATICS-I FOR ELECTRONICS	CORE	THEORY	3	4	0	0	4	25	75	100
25ELU207	Practical - I (Electric Circuits Lab) (Skill Based)	CORE	PRACTICAL	3	0	0	3	2	0	0	0
25ELU208	Practical - II (Semiconductor Devices Lab) (Skill Based)	CORE	PRACTICAL	3	0	0	3	2	0	0	0
SEMESTER - II											
25LAT202	TAMIL-II	ELECTIVE	THEORY	1	6	0	0	3	25	75	100
25LAH202	HINDI-II	ELECTIVE	THEORY	1	6	0	0	3	25	75	100
25LAF202	FRENCH-II FRENCH CULTURE & COMMUNICATION - II	ELECTIVE	THEORY	1	6	0	0	3	25	75	100
25EU202	COMMUNICATIVE ENGLISH-II: ACADEMIC COMMUNICATION	CORE	THEORY	2	4	0	0	3	25	75	100
25ELU204	Electronic Circuits	CORE	THEORY	3	3	1	0	4	25	75	100
25ELU205	Electric Machines and Instruments	CORE	THEORY	3	3	1	0	3	25	75	100
25ELU206	Mathematics II for Electronics	CORE	THEORY	3	4	0	0	4	25	75	100
25ELU207	Practical - I (Electric Circuits Lab) (Skill Based)	CORE	PRACTICAL	3	0	0	3	2	40	60	100
25ELU208	Practical - II (Semiconductor Devices Lab) (Skill Based)	CORE	PRACTICAL	3	0	0	3	2	40	60	100
25AECU201	ABILITY ENHANCEMENT COMPULSORY COURSE-I: (VALUES, ETHICS, HEALTH & WELLNESS FOR HUMAN EXCELLENCE)	CORE	THEORY	4	0	2	0	2	100	0	100
25PSEU201	PROFESSIONAL SKILL ENHANCEMENT-I	CORE	THEORY	4	2	0	0	2	100	0	100
SEMESTER - III											
25LAU303A	TAMIL-III	ELECTIVE	THEORY	1	4	0	0	3	25	75	100
25LAU303A	HINDI-III	ELECTIVE	THEORY	1	4	0	0	3	25	75	100
25LAU303A	FRENCH-III	ELECTIVE	THEORY	1	4	0	0	3	25	75	100
25EU303A	COMMUNICATIVE ENGLISH-III: DEVELOPING ENGLISH LANGUAGE SKILLS THROUGH LITERATURE	CORE	THEORY	2	4	0	0	3	25	75	100
25ELU309	Digital Electronics	CORE	THEORY	3	3	1	0	4	25	75	100
25ELU310	Digital and Linear IC's	CORE	THEORY	3	3	1	0	4	25	75	100
25ELU311	C Programming	CORE	THEORY	3	3	1	0	4	25	75	100
25ELU312	Practical III – C Programming Lab	CORE	PRACTICAL	3	0	0	3	1	40	60	100
25ELU416	Practical IV - Digital Electronics Lab (Skill Based)	CORE	PRACTICAL	3	0	0	2	2	0	0	0
25ELU417	Practical V - Electronic Circuits Lab (Skill Based)	CORE	PRACTICAL	3	0	0	3	2	0	0	0
25AECU302	ABILITY ENHANCEMENT COMPULSORY COURSE-II: ENVIRONMENTAL STUDIES & SUSTAINABLE DEVELOPMENT GOALS	CORE	THEORY	4	2	0	0	2	100	0	100

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SEMESTER - IV											
25LAU404	TAMIL-IV	ELECTIVE	THEORY	1	6	0	0	3	25	75	100
25LAU404	HINDI-IV	ELECTIVE	THEORY	1	6	0	0	3	25	75	100
25LAU404	FRENCH-IV	ELECTIVE	THEORY	1	6	0	0	3	25	75	100
25EU404	COMMUNICATIVE ENGLISH-IV: ENGLISH FOR CAREER	CORE	THEORY	2	4	0	0	3	25	75	100
25ELU413	VLSI Design	CORE	THEORY	3	2	1	0	3	25	75	100
25ELU414	Artificial Intelligence and Machine Learning	CORE	THEORY	3	2	1	0	2	100	0	100
25ELU415	Python Programming	CORE	THEORY	3	3	1	0	4	25	75	100
25ELU416	Practical IV - Digital Electronics Lab (Skill Based)	CORE	PRACTICAL	3	0	0	2	2	40	60	100
25ELU417	Practical V - Electronic Circuits Lab (Skill Based)	CORE	PRACTICAL	3	0	0	3	2	40	60	100
25ELU418	Practical VI – Python Programming Lab (Skill Based)	CORE	PRACTICAL	3	0	0	3	1	40	60	100
25SECU401	SKILL ENHANCEMENT COURSE-I: INFORMATION SECURITY	CORE	THEORY	4	2	0	0	2	100	0	100
25PSEU402	PROFESSIONAL SKILL ENHANCEMENT-II	CORE	THEORY	4	2	0	0	2	100	0	100
SEMESTER - V											
25ELU519	Power Electronics	CORE	THEORY	3	3	1	0	4	25	75	100
25ELU520	Electronic Communication I	CORE	THEORY	3	3	1	0	4	25	75	100
25ELU521	Embedded Systems	CORE	THEORY	3	3	1	0	4	25	75	100
25ELU522	Consumer Electronics	CORE	THEORY	3	3	0	0	2	100	0	100
25ELU523A	Major Elective Course - I Renewable Energy and Green Building Entrepreneurship	ELECTIVE	THEORY	3	3	1	0	4	25	75	100
25ELU523B	Major Elective Course - I Medical Electronics	ELECTIVE	THEORY	3	3	1	0	4	25	75	100
25ELU524	Internship	CORE	INTERNSHIP	3	0	0	0	2	40	60	100
25ELU525	Trans Disciplinary Course	ELECTIVE	THEORY	3	2	0	0	2	100	0	100
25ELU630	Practical – VII – Electronic Communication Lab	CORE	PRACTICAL	3	0	0	3	2	0	0	0
25ELU631	Practical – VIII – Industrial automation & Power Electronics Lab	CORE	PRACTICAL	3	0	0	3	2	0	0	0
25ELU632	Practical – IX – Embedded Systems Lab	CORE	PRACTICAL	3	0	0	3	2	0	0	0
25SECU502	SKILL ENHANCEMENT COURSE-II: INDIAN KNOWLEDGE SYSTEM [COMPUTER BASED TEST]	CORE	THEORY	4	0	0	0	2	0	100	100
SEMESTER - VI											
25ELU626	Electronic Communication II	CORE	THEORY	3	4	1	0	4	25	75	100
25ELU627	Industrial Automation	CORE	THEORY	3	4	1	0	4	25	75	100
25ELU628	Internet of Things and its Applications	CORE	THEORY	3	4	1	0	4	25	75	100
25ELU629A	Major Elective Course - II Mobile Technology	ELECTIVE	THEORY	3	4	0	0	4	25	75	100
25ELU629B	Major Elective Course - II Automotive Electronics	ELECTIVE	THEORY	3	4	0	0	4	25	75	100
25ELU630	Practical – VII – Electronic Communication Lab	CORE	PRACTICAL	3	0	0	3	2	40	60	100
25ELU631	Practical – VIII – Industrial automation & Power Electronics Lab	CORE	PRACTICAL	3	0	0	3	2	40	60	100
25ELU632	Practical – IX – Embedded Systems Lab	CORE	PRACTICAL	3	0	0	3	2	40	60	100
25ELU633	Project	CORE	PROJECT	3	0	0	0	4	40	60	100
25PCSUEL	Professional Competency Skill Innovation and Technology Entrepreneurship	CORE	THEORY	4	2	0	0	2	100	0	100