



**SARDAR PATEL UNIVERSITY**  
**DEPARTMENT OF ELECTRONICS**  
**VALLABH VIDYANAGAR**  
**M.Sc. (Electronics) – (First Year)**



**Structure for Semester-I**  
**FIRST SEMESTER (650 Marks)**

Course Code	Subject	Class work + Seminar Hours/ Week	Total Marks	External Exam Marks	Internal Exam Marks	Credits
PS01CELE21	Semiconductor Science & Devices	3+1	100/40	70/28	30/10	4
PS01CELE22	Applications of ICs & Fuzzy Electronics	3+1	100/40	70/28	30/10	4
PS01CELE23	Microprocessor & Microcontroller Systems	3+1	100/40	70/28	30/10	4
PS01EELE21 <u>OR</u> PS01EELE22	Elective Paper	3+1	100/40	70/28	30/10	4
PS01CELE24	Practical	6	100/40	70/28	30/10	4
PS01CELE25	Project Work	6	100/40	70/28	30/10	4
PS01CELE26	Comprehensive Viva	2	50/20	50/20	--	1
					<b>Total Credits</b>	<b>25</b>

**Criteria for offering the Elective Papers :**

The Elective Paper at M.Sc.(Electronics) First Semester will be offered from:

**PS01EELE21: Analytical & Biomedical Instruments**

**PS01EELE22: Network Analysis**