

BHAVAN'S VIVEKANANDA COLLEGE OF SCIENCE, HUMANITIES AND COMMERCE,
SAINIKPURI, SECUNDERABAD.

Autonomous College
Affiliated to OSMANIA UNIVERSITY, Hyderabad.

Faculty of Science-B.Sc. Electronics

Course Structure

(To be implemented with effect from 2018-19)

Classes: B Sc I Year, II Year and III Year

Year	Semester	Paper Code	Paper	Hours/ week	Internal Marks	Semester end exam Marks	Total Marks	Credits
I	I	EL 124	Circuit Analysis - Theory	4	30	70	100	4
		EL 124P	Circuit Analysis - Practicals	2	-	25	25	1
	II	EL 224	Semiconductor Devices- Theory	4	30	70	100	4
		EL 224P	Semiconductor Devices- Practicals	2	-	25	25	1
II	III	EL 324	Electronic Circuits- Theory	4	30	70	100	4
		EL 324P	Electronic Circuits - Practicals	2	-	25	25	1
		SE324	Basic Instrumentation Skills	2	15	35	50	2
	IV	EL 424	Operational Amplifiers and Communications- Theory	4	30	70	100	4
		EL 424P	Operational Amplifiers and Communications- Practicals	2	-	25	25	1
		SE 424	Renewable Energy & Energy Harvesting	2	15	35	50	2
III	V*	EL 524	Digital Electronics-Theory	3	30	70	100	3
		EL 524P	Digital Electronics- Practicals	2	-	25	25	1
		EL 524A	8085 Microprocessor-Theory	3	30	70	100	3
		EL 524A P	8085 Microprocessor- Practicals	2	-	25	25	1
		EL 524B	Digital Communication Elective-Theory	3	30	70	100	3
		EL 524B P	Digital Communication Elective-Practicals	2	-	25	25	1
		SE 524	Consumer Electronics	2	15	35	50	2
	VI*	EL 624	8051 Microcontroller Elective-Theory	3	30	70	100	3
		EL 624P	8051 Microcontroller Elective-Practicals	2	-	25	25	1
		EL 624A	Digital System Design with VHDL Elective-Theory	3	30	70	100	3
		EL 624A P	Digital System Design with VHDL Elective-Practicals	2	-	25	25	1
		EL 624B	Computer Organization Elective-Theory	3	30	70	100	3
		EL 624B P	Computer Organization Elective-Practicals	2	-	25	25	1
		SE 624	Schematic capture with MultiSim	2	15	35	50	2

*Note: Students have to select any one elective paper each in semester V and semester VI.

[Signature]
CHAIRPERSON
Board of Studies in Electronics
BOS in Physics/Electronics
Vivekananda College

[Signature]
CHAIRMAN
Board of Studies in Electronics
Osmania University, Hyd.