

Gondwana University, Gadchiroli
Faculty of Science & Technology
Two Years Regular Post Graduate Program: M.Sc. (Electronics)
Semester-I

Course and Examination Scheme- 2023-2024

Course Code.	Name of Subject	Total Credit	Lectures (L)	Tutorials (T)	Practical (P)	Total Hrs	University Examination								
							Theory					Practical			
							UA	CA	Total mark	Duration of Exam (Hrs)	Min Passing	UA	CA	Total marks	Min Passing
PSCELT101	✓ Semiconductor Devices and Electronic Circuits	04	04	--	--	04	80	20	100	3	40	--	--	--	--
PSCELT102	✓ Analog and Digital System	03	03	--	--	04	80	20	100	3	40	--	--	--	--
PSCELT103	✓ Advanced Microprocessors	03	03	--	--	04	80	20	100	3	40	--	--	--	--
Elective- I (Any One)															
PSCELT104	✓ Virtual Instrumentation	04	04	--	--	04	80	20	100	3	40	--	--	--	--
PSCELT104	✓ Embedded Systems and Applications														
PSCELT104	✓ Communication Techniques and Networking														
PSCELT105	✓ Research Methodology & Publication Ethics	04	04			04	80	20	100	3	40	--	--	--	--
	✓ Practical-I	02	--	--	02	04	--	--	--	--	--	30	20	50	25
	Total	20	18		02	22	400	100	500	--	--	30	20	50	--

Gondwana University, Gadchiroli
Faculty of Science & Technology
Two Years Regular Post Graduate Program: M.Sc. (Electronics)
Semester-II

Course and Examination Scheme- 2023-2024

Course Code.	Name of Subject	Total Credit	Lectures (L)	Tutorials (T)	Practical (P)	Total Hrs	University Examination									
							Theory					Practical				
							UA	CA	Total mark	Duration of Exam (Hrs)	Min Passing	UA	CA	Total marks	Min Passing	
PSCelt101	Computer Organization and Interfacing	04	04	--	--	04	80	20	100	3	40	--	--	--	--	
PSCelt102	Microwave and Optical Communication	03	03	--	--	04	80	20	100	3	40	--	--	--	--	
PSCelt103	Fuzzy Logic and Artificial Neural Networks	03	03	--	--	04	80	20	100	3	40	--	--	--	--	
Elective- I (Any One)																
PSCelt104	Internet of Things	04	04	--	--	04	80	20	100	3	40	--	--	--	--	
PSCelt104	Digital signal Processing															
PSCelt104	Digital Image Processing															
PSCelt105	* Industrial Training/ Field Project / Research Project	04	--	--	08	08						50	50	100	50	
	** Practical II	02	--	--	04	04	--	--	---		40	30	20	50	25	
	Total	20	14	--	12	28	320	80	400	--	--	80	70	150		

* OJT- On Job Training with Seminar

** Practical II shall be based on core subjects