

ADIT

CVM University

Programme:
M.E. in Signal Processing and
Communication

Semester : I
Course Structure



CVM
UNIVERSITY

(Established under Gujarat Private Universities
(Second Amendment) Act : 2019 Gujarat Act No. 20 of 2019)

Course	Course Code	Course Title	Per Week			Credits	Exam Duration in Hours		Component of Marks				
			L	T	P		Theory	Pract.	Theory		Practical		Total/ Passing
									External / Passing	Internal / Passing	Internal / Passing	External / Passing	
Core I	102430101	Advanced Image Processing	3	0	2	4	3	2	70/35	30/15	20/10	30/15	150/75
Core II	102430102	Machine Learning	3	0	2	4	3	2	70/35	30/15	20/10	30/15	150/75
MLC*	102300111	Research Methodology and IPR	2	0	0	2	NA	NA	0/0	0/0	20/10	80/40	100/50
Programme Elective I (Any One)	102430103	Advanced Digital Signal Processing	3	0	2	4	3	2	70/35	30/15	20/10	30/15	150/75
	102430104	Advances in Optical Communication											
	102430105	RF and Microwave Circuits											
	102430106	Signal Transforms											
Programme Elective II (Any One)	102430107	DSP Architecture	3	0	2	4	3	2	70/35	30/15	20/10	30/15	150/75
	102430108	Satellite Communication											
	102430109	Sensor Signal Processing											
	102430110	Modern Digital and Wireless Communication											
Audit 1 (Any One)	102301201	Constitution of India	2	0	0	0	2	NA	50/25	0/0	0/0	0/0	50/25
	102301202	Disaster Management											
	102301203	English for Research Paper Writing											
	102301204	Essential soft skills and Human Values											
	102301205	Pedagogy Studies											
	102301206	Personality Development through Life Enlightenment Skills											
	102301207	Sanskrit for Technical Knowledge											
	102301208	Stress Management by Yoga											
	102301209	Value Education											
			16	0	8	18	11	6					

CVM University
Programme: M.E. in Signal Processing and Communication
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Course	Course Code	Course Title	Per Week			Credits	Exam Duration in Hours		Component of Marks				
			L	T	P		Theory	Pract.	Theory		Practical		Total/ Passing
									External / Passing	Internal / Passing	Internal / Passing	External / Passing	
Core III	102430201	Computer Vision	3	0	2	4	3	2	70/35	30/15	20/10	30/15	150/75
Core IV	102430202	Statistical Signal Processing	3	0	2	4	3	2	70/35	30/15	20/10	30/15	150/75
Core V	102430203	Data Analytics	3	0	2	4	3	2	70/35	30/15	20/10	30/15	150/75
Programme Elective III (Any One)	102430204	Biomedical Signal Processing	3	0	2	4	3	2	70/35	30/15	20/10	30/15	150/75
	102430205	Internet of Things an its Applications											
	102430206	Speech Signal Processing											
Programme Elective IV (Any One)	102430207	Python Programming	0	0	8	4	0	2	NA	NA	50/25	50/25	100/50
	102430208	Signal Processing and Communication Laboratory											
	102430209	Virtual Instrumentation Laboratory											
Core	102300112	Seminar	0	0	4	2	NA	NA	0/0	100/50	0/0	0/0	100/50
Audit 2 (Any One)	102301201	Constitution of India	2	0	0	0	2	NA	50/25	0/0	0/0	0/0	50/25
	102301202	Disaster Management											
	102301203	English for Research Paper Writing											
	102301204	Essential soft skills and Human Values											
	102301205	Pedagogy Studies											
	102301206	Personality Development through Life Enrichment Skills											
	102301207	Sanskrit for Technical Knowledge											
	102301208	Stress Management by Yoga											
	102301209	Value Education											
			14	0	20	22	14	10					