

CVM University
ADIT
Programme: B. E. in Civil Engineering
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 hrs		Component of Marks				
			L	T	P		Theory	Pract.	Theory		Practical		Total / Passing
Basic science	102001213	Physics	3	0	2	4	3	2	70/21	30/9	20/6	30/9	150/45
Basic science	102000104	Calculus	3	2	0	4	3	2	70/21	30/9	20/6	30/9	150/45
Basic science	102001207	Energy and Enviroment science	3	0	0	3	3	NA	70/21	30/9	NA	NA	100/30
Mandatory Course	102001206	Constitution of India	2	0	0	0	1.5	NA	NA	50/15	NA	NA	50/15
Engineering Science	102001202	Basic Mechanical Engineering	3	0	2	4	3	2	70/21	30/9	20/6	30/9	150/45
Engineering Science	102001208	Engineering Graphics	2	0	4	4	3	2	70/21	30/9	20/6	30/9	150/45
			16	2	8	19							

Semester :II Course Structure
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Course	Course Code	Course Title	Per Week			Credits	Exam Duration in hrs		Component of Marks				
			L	T	P		Theory	Pract.	Theory		Practical		Total / Passing
Engineering Science	102001203	Basics of Electrical and Electronics Engineering	3	0	2	4	3	2	70/21	30/9	20/6	30/9	150/45
Engineering Science	102001209	Engineering workshop	0	0	4	2	NA	2	NA	NA	30/9	70/21	100/30
Basic science	102000211	Linear Algebra, Vector Calculus and ODE	3	2	0	4	3	2	70/21	30/9	20/6	30/9	150/45
Huminities and Social Science	102001215	Professional Communication	2	0	2	3	3	2	70/21	30/9	20/6	30/9	150/45
Engineering Science	102000110	Introduction to Computer Programming with C	3	0	2	4	3	2	60/18	40/12	20/6	30/9	150/45
Engineering Science	102001201	Basic Civil Engineering	3	0	2	4	3	2	70/21	30/9	20/6	30/9	150/45
			14	2	12	21							

CVM University
ADIT
Programme: B.E. in Computer Engineering
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 hrs		Component of Marks				
			L	T	P		Theory	Pract.	Theory		Practical		Total / Passing
Engineering Science	102001203	Basics of Electrical and Electronics Engineering	3	0	2	4	3	2	70/21	30/9	20/6	30/9	150/45
Engineering Science	102001209	Engineering workshop	0	0	4	2	NA	2	NA	NA	30/9	70/21	100/30
Engineering Science	102000110	Introduction to Computer Programming with C	3	0	2	4	3	2	60/18	40/12	20/6	30/9	150/45
Mandatory Course	102001206	Constitution of India	2	0	0	0	1.5	NA	NA	50/15	NA	NA	50/15
Huminities & Social Science	102001215	Professional Communication	2	0	2	3	3	2	70/21	30/9	20/6	30/9	150/45
Basic science	102000104	Calculus	3	2	0	4	3	2	70/21	30/9	20/6	30/9	150/45
			13	2	10	17							

Semester :II
Course Structure

Course	Course Code	Course Title	Per Week			Credits	Exam Duration in hrs		Component of Marks				
			L	T	P		Theory	Pract.	Theory		Practical		Total / Passing
Basic science	102001213	Physics	3	0	2	4	3	2	70/21	30/9	20/6	30/9	150/45
Engineering Science	102001202	Basic Mechanical Engineering	3	0	2	4	3	2	70/21	30/9	20/6	30/9	150/45
Basic science	102001207	Energy and Enviroment science	3	0	0	3	3	NA	70/21	30/9	NA	NA	100/30
EngineeringScience	102001208	Engineering Graphics	2	0	4	4	3	2	70/21	30/9	20/6	30/9	150/45
Basic science	102000211	Linear Algebra, Vector Calculus and ODE	3	2	0	4	3	2	70/21	30/9	20/6	30/9	150/45
Engineering Science	102000212	Object Oriented Programming	3	0	2	4	3	2	70/21	30/9	20/6	30/9	150/45
			17	2	10	23							

CVM University
ADIT
Programme:
B.E. in Electrical Engineering
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 hrs		Component of Marks				
			L	T	P		Theory	Pract.	Theory		Practical		Total / Passing
Engineering Science	102001203	Basics of Electrical and Electronics Engineering	3	0	2	4	3	2	70/21	30/9	,20/6	,30/9	150/45
Engineering Science	102001209	Engineering workshop	0	0	4	2	NA	2	NA	NA	30/9	70/21	100/30
Engineering Science	102000110	Introduction to Computer Programming with C	3	0	2	4	3	2	60/18	40/12	,20/6	,30/9	150/45
Mandatory Course	102001206	Constitution of India	2	0	0	0	1.5	NA	NA	50/15	NA	NA	50/15
Humanities and Social Science	102001215	Professional Communication	2	0	2	3	3	2	70/21	30/9	,20/6	,30/9	150/45
Basic science	102000104	Calculus	3	2	0	4	3	2	70/21	30/9	,20/6	,30/9	150/45
			13	2	10	17							

Semester : II
Course Structure

Course	Course Code	Course Title	Per Week			Credits	Exam Duration in hrs		Component of Marks				
			L	T	P		Theory	Pract.	Theory		Practical		Total / Passing
Basic science	102001213	Physics	3	0	2	4	3	2	70/21	30/9	20/6	30/9	150/45
Engineering Science	102001202	Basic Mechanical Engineering	3	0	2	4	3	2	70/21	30/9	20/6	30/9	150/45
Basic science	102001207	Energy and Environment science	3	0	0	3	3	NA	70/21	30/9	NA	NA	100/30
Engineering Science	102001208	Engineering Graphics	2	0	4	4	3	2	70/21	30/9	20/6	30/9	150/45
Basic science	102000211	Linear Algebra, Vector Calculus and ODE	3	2	0	4	3	2	70/21	30/9	20/6	30/9	150/45
Engineering Science	102000212	Object Oriented Programming	3	0	2	4	3	2	70/21	30/9	20/6	30/9	150/45
			17	2	10	23							

CVM University
ADIT
Programme: B.E. in Electronics and Communication Engineering
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 hrs		Component of Marks				
			L	T	P		Theory	Pract.	Theory		Practical		Total / Passing
									External / Passing	Internal / Passing	Internal / Passing	External / Passing	
Engineering Science	102001203	Basics of Electrical and Electronics Engineering	3	0	2	4	3	2	70/21	30/9	20/6	30/9	150/45
Engineering Science	102001209	Engineering workshop	0	0	4	2	NA	2	NA	NA	30/9	70/21	100/30
Engineering Science	102000110	Introduction to Computer Programming with C	3	0	2	4	3	2	60/18	40/12	20/6	30/9	150/45
Mandatory Course	102001206	Constitution of India	2	0	0	0	1.5	NA	NA	50/15	NA	NA	50/15
Huminities and Social Science	102001215	Professional Communication	2	0	2	3	3	2	70/21	30/9	20/6	30/9	150/45
Basic science	102000104	Calculus	3	2	0	4	3	2	70/21	30/9	20/6	30/9	150/45
			13	2	10	17							

Semester : II Course Structure

Course	Course Code	Course Title	Per Week			Credits	Exam Duration in hrs		Component of Marks				
			L	T	P		Theory		Practical		Total / Passing		
							Theory	Pract.	External / Passing	Internal / Passing		Internal / Passing	External / Passing
Basic science	102001213	Physics	3	0	2	4	3	2	70/21	30/9	20/6	30/9	150/45
Engineering Science	102001202	Basic Mechanical Engineering	3	0	2	4	3	2	70/21	30/9	20/6	30/9	150/45
Basic science	102001207	Energy and Enviroment science	3	0	0	3	3	NA	70/21	30/9	NA	NA	100/30
Engineering Science	102001208	Engineering Graphics	2	0	4	4	3	2	70/21	30/9	20/6	30/9	150/45
Basic science	102000211	Linear Algebra, Vector Calculus and ODE	3	2	0	4	3	2	70/21	30/9	20/6	30/9	150/45
Engineering Science	102000212	Object Oriented Programming	3	0	2	4	3	2	70/21	30/9	20/6	30/9	150/45
			17	2	10	23							

CVM University
ADIT
Programme: B.E. in Information Technology
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 hrs		Component of Marks				
			L	T	P		Theory	Pract.	Theory		Practical		Total / Passing
Engineering Science	102001203	Basics of Electrical and Electronics Engineering	3	0	2	4	3	2	70/21	30/9	20/6	30/9	150/45
Engineering Science	102001209	Engineering workshop	0	0	4	2	NA	2	NA	NA	30/9	70/21	100/30
Engineering Science	102000110	Introduction to Computer Programming with C	3	0	2	4	3	2	60/18	40/12	20/6	30/9	150/45
Mandatory Course	102001206	Constitution of India	2	0	0	0	1.5	NA	NA	50/15	NA	NA	50/15
Huminities and Social Science	102001215	Professional Communication	2	0	2	3	3	2	70/21	30/9	20/6	30/9	150/45
Basic science	102000104	Calculus	3	2	0	4	3	2	70/21	30/9	20/6	30/9	150/45
			13	2	10	17							

Semester : II Course Structure

Course	Course Code	Course Title	Per Week			Credits	Exam Duration in hrs		Component of Marks				
			L	T	P		Theory	Pract.	Theory		Practical		Total / Passing
Basic science	102001213	Physics	3	0	2	4	3	2	70/21	30/9	20/6	30/9	150/45
Engineering Science	102001202	Basic Mechanical Engineering	3	0	2	4	3	2	70/21	30/9	20/6	30/9	150/45
Basic science	102001207	Energy and Enviroment science	3	0	0	3	3	NA	70/21	30/9	NA	NA	100/30
Engineering Science	102001208	Engineering Graphics	2	0	4	4	3	2	70/21	30/9	20/6	30/9	150/45
Basic science	102000211	Linear Algebra, Vector Calculus and ODE	3	2	0	4	3	2	70/21	30/9	20/6	30/9	150/45
Engineering Science	102000212	Object Oriented Programming	3	0	2	4	3	2	70/21	30/9	20/6	30/9	150/45
			17	2	10	23							

CVM University
ADIT
Programme: B.E. in Mechanical Engineering
Semester : I
Course Structure



CVM
UNIVERSITY

(Established under Gujarat Private Universities
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Course	Course Code	Course Title	Per Week			Credits	Exam Duration in hrs		Component of Marks				
			L	T	P		Theory	Pract.	Theory		Practical		Total / Passing
Basic science	102001213	Physics	3	0	2	4	3	2	70/21	30/9	20/6	30/9	150/45
Basic science	102000104	Calculus	3	2	0	4	3	2	70/21	30/9	20/6	30/9	150/45
Basic science	102001207	Energy and Enviroment science	3	0	0	3	3	NA	70/21	30/9	NA	NA	100/30
Mandatory Course	102001206	Constitution of India	2	0	0	0	1.5	NA	NA	50/15	NA	NA	50/15
Engineering Science	102001202	Basic Mechanical Engineering	3	0	2	4	3	2	70/21	30/9	20/6	30/9	150/45
Engineering Science	102001208	Engineering Graphics	2	0	4	4	3	2	70/21	30/9	20/6	30/9	150/45
			16	2	8	19							

Semester : II
Course Structure

Course	Course Code	Course Title	Per Week			Credits	Exam Duration in hrs		Component of Marks				
			L	T	P		Theory	Pract.	Theory		Practical		Total / Passing
Engineering Science	102001203	Basics of Electrical and Electronics Engineering	3	0	2	4	3	2	70/21	30/9	20/6	30/9	150/45
Engineering Science	102001209	Engineering workshop	0	0	4	2	NA	2	NA	NA	30/9	70/21	100/30
Basic science	102000211	Linear Algebra, Vector Calculus and ODE	3	2	0	4	3	2	70/21	30/9	20/6	30/9	150/45
Huminites and Social Science	102001215	Professional Communication	2	0	2	3	3	2	70/21	30/9	20/6	30/9	150/45
Engineering Science	102000110	Introduction to Computer Programming with C	3	0	2	4	3	2	60/18	40/12	20/6	30/9	150/45
Engineering Science	102001201	Basic Civil Engineering	3	0	2	4	3	2	70/21	30/9	20/6	30/9	150/45
			14	2	12	21							

CVM University
ADIT
Programme: B. E. in Food Processing Technology
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 hrs		Component of Marks				
			L	T	P		Theory	Pract.	Theory		Practical		Total / Passing
									External / Passing	Internal / Passing	Internal / Passing	External / Passing	
Basic science	102000105	Chemistry	3	0	2	4	3	2	70/21	30/9	20/6	30/9	150/45
Basic science	102000104	Calculus	3	2	0	4	3	2	70/21	30/9	20/6	30/9	150/45
Basic science	102001207	Energy and Enviroment science	3	0	0	3	3	NA	70/21	30/9	NA	NA	100/30
Mandatory Course	102001206	Constitution of India	2	0	0	0	1.5	NA	NA	50/15	NA	NA	50/15
Engineering Science	102001202	Basic Mechanical Engineering	3	0	2	4	3	2	70/21	30/9	20/6	30/9	150/45
Engineering Science	102001208	Engineering graphics	2	0	4	4	3	2	70/21	30/9	20/6	30/9	150/45
			16	2	8	19							

Semester :II Course Structure
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Course	Course Code	Course Title	Per Week			Credits	Exam Duration in hrs		Component of Marks				
			L	T	P		Theory	Pract.	Theory		Practical		Total / Passing
									External / Passing	Internal / Passing	Internal / Passing	External / Passing	
Engineering Science	102001203	Basics of Electrical and Electronics Engineering	3	0	2	4	3	2	70/21	30/9	20/6	30/9	150/45
Engineering Science	102001209	Engineering workshop	0	0	4	2	NA	2	NA	NA	30/9	70/21	100/30
Basic science	102000211	Linear Algebra, Vector Calculus and ODE	3	2	0	4	3	2	70/21	30/9	20/6	30/9	150/45
Huminities and Social Science	102001215	Professional Communication	2	0	2	3	3	2	70/21	30/9	20/6	30/9	150/45
Engineering Science	102000110	Introduction to Computer Programming with C	3	0	2	4	3	2	60/18	40/12	20/6	30/9	150/45
Engineering Science	102000214	Process Engineering Thermodynamics	3	0	2	4	3	2	70/21	30/9	20/6	30/9	150/45
			14	2	12	21							

CVM University
ADIT
Programme:
B. E. in Automobile Engineering
Semester : I
Course Structure



CVM
UNIVERSITY

(Established under Gujarat Private Universities
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Course	Course Code	Course Title	Per Week			Credits	Exam Duration in hrs		Component of Marks				
			L	T	P		Theory	Pract.	Theory		Practical		Total / Passing
Basic science	102001213	Physics	3	0	2	4	3	2	70/21	30/9	20/6	30/9	150/45
Basic science	102000104	Calculus	3	2	0	4	3	2	70/21	30/9	20/6	30/9	150/45
Basic science	102001207	Energy and Enviroment science	3	0	0	3	3	NA	70/21	30/9	NA	NA	100/30
Mandatory Course	102001206	Constitution of India	2	0	0	0	1.5	NA	NA	50/15	NA	NA	50/15
Engineering Science	102001202	Basic Mechanical Engineering	3	0	2	4	3	2	70/21	30/9	20/6	30/9	150/45
Engineering Science	102001208	Engineering Graphics	2	0	4	4	3	2	70/21	30/9	20/6	30/9	150/45
			16	2	8	19							

Semester : II
Course Structure

Course	Course Code	Course Title	Per Week			Credits	Exam Duration in hrs		Component of Marks				
			L	T	P		Theory	Pract.	Theory		Practical		Total / Passing
Engineering Science	102001203	Basics of Electrical and Electronics Engineering	3	0	2	4	3	2	70/21	30/9	20/6	30/9	150/45
Engineering Science	102001209	Engineering workshop	0	0	4	2	NA	2	NA	NA	30/9	70/21	100/30
Basic science	102000211	Linear Algebra, Vector Calculus and ODE	3	2	0	4	3	2	70/21	30/9	20/6	30/9	150/45
Huminities and Social Science	102001215	Professional Communication	2	0	2	3	3	2	70/21	30/9	20/6	30/9	150/45
Engineering Science	102000110	Introduction to Computer Programming with C	3	0	2	4	3	2	60/18	40/12	20/6	30/9	150/45
Engineering Science	102001201	Basic Civil Engineering	3	0	2	4	3	2	70/21	30/9	20/6	30/9	150/45
			14	2	12	21							

CHARUTAR VIDYA MANDAL UNIVERSITY (CVMU)
FACULTY OF ENGINEERING TECHNOLOGY
SUBJECT CODE FOR FIRST YEAR BACHELOR OF ENGINEERING PROGRAMMES

Version	Faculty	Prog	Sem	SeqNo	Subject Code	SubjectName	Subject Code
1	02	00	12	01	102001201	Basic Civil Engineering	102001201
1	02	00	12	02	102001202	Basic Mechanical Engineering	102001202
1	02	00	12	03	102001203	Basics of Electrical and Electronics Engineering	102001203
1	02	00	01	04	102000104	Calculus	102000104
1	02	00	01	05	102000105	Chemistry	102000105
1	02	00	12	06	102001206	Constitution of India	102001206
1	02	00	12	07	102001207	Energy and Enviroment science	102001207
1	02	00	12	08	102001208	Engineering Graphics	102001208
1	02	00	12	09	102001209	Engineering workshop	102001209
1	02	00	01	10	102000110	Introduction to Computer Programming with C	102000110
1	02	00	02	11	102000211	Linear Algebra, Vector Calculus and ODE	102000211
1	02	00	02	12	102000212	Object Oriented Programming	102000212
1	02	00	12	13	102001213	Physics	102001213
1	02	00	02	14	102000214	Process Engineering Thermodynamics	102000214
1	02	00	12	15	102001215	Professional Communication	102001215