

**VIGNAN'S INSTITUTE OF INFORMATION TECHNOLOGY  
(AUTONOMOUS)  
DEPARTMENT OF CIVIL ENGINEERING  
PROGRAM STRUCTURE – VR-20**

I Year

I Semester

S. No.	Course Code	Course Title	L	T	P	C
1.	1000201100	Mathematics-1				3
2.	1003201100	Engineering Mechanics				3
3.	1005201100	Problem Solving and Programming using C				3
4.	1000201101	Engineering Physics				3
5.	1000201102	Technical English Communication				2
6.	1000201110	Technical English Communication Lab				1.5
7.	1005201110	Problem Solving and Programming using C Lab				1.5
8.	1000201111	Engineering Physics Lab				1.5
9.	1000201120	Game, Sports & Yoga				0
<b>Total Credits</b>						<b>19.5</b>

S. No.	Course Code	Course Title	L	T	P	C
2	1000201200	Engineering Chemistry				3
4	1001201200	Surveying				3
5	1003201101	Engineering Drawing				3
3	1000201201	Transforms & Vector Calculus				3
1	1000201104	Mathematics-II				3
6	1002201210	Basics of Electrical and Electronics Engineering Lab				1.5
7	1000201210	Engineering Chemistry Lab				1.5
8	1001201210	Surveying Lab				1.5
9	1000201160	Engineering Exploration				1
10	1000201121	Constitution of India				0
<b>Total Credits</b>						<b>20.5</b>

**VIGNAN'S INSTITUTE OF INFORMATION TECHNOLOGY: VISAKHAPATNAM**  
**DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING**  
**PROGRAM STRUCTURE – VR-20**

**I Year – I Semester**

S. No	Course Code	Name of the Course	L	T	P	Credits
1.	1000201100	Mathematics-I	3	0	0	3
4.	1003201100	Engineering Mechanics	1	0	4	3
5.	1005201100	Problem solving and Programming using C	3	0	0	3
2.	1000201103	Solid State Physics	3	0	0	3
3.	1000201104	Mathematics-II	3	0	0	3
6.	1003201110	Engineering Workshop	0	0	3	1.5
8.	1005201110	Problem solving and Programming using C lab	0	0	3	1.5
7.	1000201112	Solid State Physics lab	0	0	3	1.5
9.	1000201121	Constitution of India	2	0	0	0
<b>Total Credits:</b>						<b>19.5</b>

**I Year – II Semester**

S. No	Course Code	Name of the Course	L	T	P	Credits
1.	1002201200	Electrical Circuit Analysis-I	3	1*	0	3
2.	1003201101	Engineering Drawing	1	0	4	3
3.	1000201201	Transforms and Vector Calculus	3	1*	0	3
4.	1000201102	Technical English Communication	2	0	0	2
5.	1000201105	Applied Chemistry	3	0	0	3
6.	1000201110	Technical English Communication Lab	0	0	3	1.5
7.	1002201211	Electrical Circuit Analysis-I Lab	0	0	3	1.5
8.	1000201113	Applied Chemistry Lab	0	0	3	1.5
9.	1000201160	Engineering Exploration	0	0	2	1
10.	1000201120	Game, Sports and Yoga	0	0	4	0
<b>Total Credits:</b>						<b>19.5</b>

**VIGNAN'S INSTITUTE OF INFORMATION TECHNOLOGY  
(AUTONOMOUS)  
DEPARTMENT OF MECHANICAL ENGINEERING  
PROGRAM STRUCTURE (VR20)**

**I B.Tech I Semester**

S. No	Course Code	Name of the Course	L	T	P	C
1.	1000201100	Mathematics-I	3	1	0	3
2.	1003201100	Engineering Mechanics	3	1	0	3
3.	1005201100	Problem Solving and Programming using C	3	1	0	3
4.	1000201101	Engineering Physics	3	1	0	3
5.	1000201102	Technical English Communication	2	0	0	2
6.	1000201110	Technical English Communication Lab	0	0	3	1.5
7.	1005201110	Problem Solving and Programming using C Lab	0	0	3	1.5
8.	1000201111	Engineering Physics Lab	0	0	3	1.5
9.	1000201160	Engineering Exploration	0	0	2	1
10.	1000201120	Game, Sports & Yoga	0	0	4	0
		<b>Total Credits</b>				<b>19.5</b>

**I B.TechII Semester**

S. No	Course Code	Name of the Course	L	T	P	C
1.	1000201200	Engineering Chemistry	3	0	0	3
2.	1003201101	Engineering Drawing	1	0	4	3
3.	1002201201	Basic Electrical and Electronics Engineering	3	1	0	3
4.	1000201201	Transforms & Vector Calculus	3	1	0	3
5.	1000201104	Mathematics-II	3	1	0	3
6.	1003201110	Engineering Workshop	0	0	3	1.5
7.	1000201210	Engineering Chemistry Lab	0	0	3	1.5
8.	1002201210	Basic Electrical and Electronics Engineering Lab	0	0	3	1.5
9.	1000201104	Constitution of India	2	0	0	0
		<b>Total Credits</b>				<b>19.5</b>

**VIGNAN'S INSTITUTE OF INFORMATION TECHNOLOGY**  
**Program Structure VR-20**

**Department of Electronics and Communications Engineering**

**I Year****I Semester**

S.No	Course Code	Course Title	Hours per week			Credits
			L	T	P	C
1.	1000201100	Mathematics-1	3	0	0	3
2.	1005201100	Problem Solving and Programming using C	3	0	0	3
3.	1003201101	Engineering Drawing	1	0	4	3
4.	1000201104	Mathematics-II	3	0	0	3
5.	1000201105	Applied Chemistry	3	0	0	3
6.	1004201110	Basic Electronic Workshop	0	0	3	1.5
7.	1005201110	Problem Solving and Programming using C Lab	0	0	3	1.5
8.	1000201113	Applied Chemistry Lab	0	0	3	1.5
9.	1000201121	Constitution of India	2	0	0	0
<b>Total credits</b>						<b>19.5</b>

**I Year****II Semester**

S.No	Course Code	Course Title	Hours per week			Credits
			L	T	P	C
1.	1004201200	Switching Theory and Logic Design	3	0	0	3
2.	1000201102	Technical English Communication	2	0	0	2
3.	1000201202	Complex Variables and Vector Calculus	3	0	0	3
4.	1002201202	Network Analysis	3	0	0	3
5.	1000201203	Wave Optics and Semiconductor Physics	3	0	0	3
6.	1000201110	Technical English Communication Lab	0	0	3	1.5
7.	1004201210	Switching Theory and Logic Design Lab	0	0	3	1.5
8.	1000201211	Wave Optics and Semiconductor Physics Lab	0	0	3	1.5
9.	1000201160	Engineering Exploration	0	0	2	1
10.	1000201120	Game, Sports and Yoga	4	0	0	0
<b>Total credits</b>						<b>19.5</b>

**Total Credits(I Year)=19.5+19.5=39**

## VIGNAN'S INSTITUTE OF INFORMATION TECHNOLOGY: VISAKHAPATNAM

## DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

## PROGRAM STRUCTURE – VR-20

## I Year

## I Semester

S. No.	Course Code	Course Title	L	T	P	C
1.	1000201100	Mathematics-I	3	0	0	3
2.	1005201100	Problem Solving and Programming using C	3	0	0	3
3.	1003201101	Engineering Drawing	1	0	4	3
4.	1000201102	Technical English Communication	3	0	0	2
5.	1000201105	Applied Chemistry	3	0	0	3
6.	1000201110	Technical English Communication Lab	0	0	3	1.5
7.	1005201110	Problem Solving and Programming using C Lab	0	0	3	1.5
8.	1000201113	Applied Chemistry Lab	0	0	3	1.5
9.	1000201160	Engineering Exploration	0	0	2	1
10.	1000201120	Game, Sports and Yoga	0	0	4	0
<b>Total Credits</b>						<b>19.5</b>

**Legend:** L-Lecture; T-Tutorial; P -Practical; C-Credit

## I Year

## II Semester

S. No.	Course Code	Course Title	L	T	P	C
1.	1005201200	Object Oriented Programming through C++	3	0	0	3
2.	1005201201	Computer Organization	3	0	0	3
3.	1005201202	Web Design	3	0	0	3
4.	1000201104	Mathematics-II	3	0	0	3
5.	1000201204	Applied Physics	3	0	0	3
6.	1005201210	Object Oriented Programming through C++ Lab	0	0	3	1.5
7.	1000201212	Applied Physics Lab	0	0	3	1.5
8.	1005201211	Web Design Lab	0	0	3	1.5
9.	1000201121	Constitution of India	2	0	0	0
<b>Total Credits</b>						<b>19.5</b>

**Total Credits (I Year – I&II Sem) = 39**

## VIGNAN'S INSTITUTE OF INFORMATION TECHNOLOGY: VISAKHAPATNAM

## DEPARTMENT OF INFORMATION TECHNOLOGY

## PROGRAM STRUCTURE – VR-20

## I Year

## I Semester

S. No.	Course Code	Course Title	L	T	P	C
1.	1000201100	Mathematics-I	3	0	0	3
2.	1005201100	Problem Solving and Programming using C	3	0	0	3
3.	1003201101	Engineering Drawing	1	0	4	3
4.	1000201102	Technical English Communication	3	0	0	2
5.	1000201105	Applied Chemistry	3	0	0	3
6.	1000201110	Technical English Communication Lab	0	0	3	1.5
7.	1005201110	Problem Solving and Programming using C Lab	0	0	3	1.5
8.	1000201113	Applied Chemistry Lab	0	0	3	1.5
9.	1000201160	Engineering Exploration	0	0	2	1
10.	1000201120	Game, Sports and Yoga	0	0	4	0
<b>Total Credits</b>						<b>19.5</b>

**Legend:** L-Lecture; T-Tutorial; P -Practical; C-Credit

## I Year

## II Semester

S. No.	Course Code	Course Title	L	T	P	C
1.	1005201200	Object Oriented Programming through C++	3	0	0	3
2.	1005201201	Computer Organization	3	0	0	3
3.	1005201202	Web Design	3	0	0	3
4.	1000201104	Mathematics-II	3	0	0	3
5.	1000201204	Applied Physics	3	0	0	3
6.	1005201210	Object Oriented Programming through C++ Lab	0	0	3	1.5
7.	1000201212	Applied Physics Lab	0	0	3	1.5
8.	1005201211	Web Design Lab	0	0	3	1.5
9.	1000201121	Constitution of India	2	0	0	0
<b>Total Credits</b>						<b>19.5</b>

**Total Credits (I Year – I&II Sem) = 39**

**VIGNAN'S INSTITUTE OF INFORMATION TECHNOLOGY: VISAKHAPATNAM**  
**DEPARTMENT OF ELECTRONICS AND COMPUTER ENGINEERING**  
**PROGRAM STRUCTURE – VR-20**

**I B.Tech**

**Semester- I**

S. No	Course Code	Name of the Course	L	T	P	Credits
1.	1019201200	Engineering Drawing	1	0	4	3
2.	1002201202	Mathematics-II	3	0	0	3
3.	1000201102	Problem Solving and Programming using C	3	0	0	3
4.	1000201203	Mathematics-I	3	0	0	3
5.	1005201203	Applied Chemistry	3	0	0	3
6.	1000201110	Engineering Exploration	0	0	4	1
7.	1019201210	Applied Chemistry Lab	0	0	3	1.5
8.	1005201212	Problem Solving and Programming using C Lab	0	0	3	1.5
9.	1000201211	Game, Sports and Yoga	0	0	4	0
10.	1000201121	Gender Sensitization for Women Empowerment	3	0	0	0
<b>Total Credits</b>						<b>19</b>

**Legend:** L-Lecture; T-Tutorial; P -Practical; C-Credit

**I B.Tech**

**Semester- II**

S.No	Course Code	Name of the Course	L	T	P	Credits
1.	1019201200	Fundamentals of Digital Logic Design	3	0	0	3
2.	1019201210	IT Workshop	0	0	3	1.5
3.	1000201102	Technical English Communication	3	0	0	2
4.	1002201202	Network Analysis	3	0	0	3
5.	1000201203	Wave Optics and Semiconductor Physics	3	0	0	3
6.	1005201203	Data Structures	3	0	0	3
7.	1000201110	Technical English Communication Lab	0	0	3	1.5
8.	1000201211	Wave Optics and Semiconductor Physics Lab	0	0	3	1.5
9.	1005201212	Data Structures Lab	0	0	3	1.5
10.	1000201121	Constitution of India (Audit Course)	2	0	0	0
<b>Total Credits</b>						<b>20</b>

**VIGNAN'S INSTITUTE OF INFORMATION TECHNOLOGY: VISAKHAPATNAM**  
**DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND DATASCIENCE**  
**PROGRAM STRUCTURE – VR-20**

**I Year**

**I Semester**

S. No.	Course Code	Course Title	L	T	P	C
1.	1005201100	Problem Solving and Programming using C	3	0	0	3
2.	1003201100	Engineering Mechanics	3	0	0	3
3.	1000201102	Technical English Communication	3	0	0	2
4.	1000201106	Calculus	3	0	0	3
5.	1000201107	Linear Algebra	3	0	0	3
6.	1000201108	Physics of Materials	3	0	0	3
7.	1000201110	Technical English Communication Lab	0	0	3	1.5
8.	1005201110	Problem Solving and Programming using C Lab	0	0	3	1.5
9.	1000201160	Engineering Exploration	0	0	2	1
10.	1000201120	Game, Sports and Yoga	0	0	4	0
<b>Total Credits</b>						<b>21</b>

**Legend:** L-Lecture; T-Tutorial; P -Practical; C-Credit

**I Year**

**II Semester**

S. No.	Course Code	Course Title	L	T	P	C
1.	1005201201	Computer Organization	3	0	0	3
2.	1005201202	Web Design	3	0	0	3
3.	1005201203	Data Structures	3	0	0	3
4.	1000201205	Statistics for Data Science-I	3	0	0	3
5.	1005201211	Web Design Lab	0	0	3	1.5
6.	1005201212	Data Structures Lab	0	0	3	1.5
7.	1000201213	Physics of Materials Lab	0	0	3	1.5
8.	1000201214	R Programming for DataScience	0	0	3	1.5
9.	1000201121	Constitution of India	2	0	0	0
<b>Total Credits</b>						<b>18</b>

**Total credits (I Year – I&II Sem) = 21+18=39**



# **PROGRAM STRUCTURE**

**For**

**Post Graduate Programme**

**MASTER OF BUSINESS ADMINISTRATION**

*(Applicable For Batches Admitted From 2019 – 2020)*



**VIGNAN'S INSTITUTE OF INFORMATION TECHNOLOGY  
(AUTONOMOUS)**

**DUVVADA - VISAKHAPATNAM – 530 049**

**(An Autonomous Institute, Accredited by NAAC, Affiliated to JNTUK, Kakinada, AP)**

VIGNAN'S INSTITUTE OF INFORMATION TECHNOLOGY: VISAKHAPATNAM

**[Autonomous]**  
**DEPARTMENT OF MANAGEMENT STUDIES**

**PROGRAM STRUCTURE (VR-19)**

**I Year - I SEMESTER**

S.No.	Name of the Subject	Course Code	L	T	P	Credits
1	Principles of Management	3099191100	3	0	0	3
2	Managerial Economics	3099191101	3	0	0	3
3	Accounting for Managers	3099191102	3	0	0	3
4	Managerial Communication & Soft Skills	3099191103	3	0	0	3
5	Business Environment	3099191104	3	0	0	3
6	Operations Research for Business Decision	3099191105	3	0	0	3
7	Information Technology Lab	3099191110	0	0	4	2
8	Employability Skills-I	3099191180	1	0	4	3
Total Credits :						23

**I Year – II SEMESTER**

S.No.	Name of the Subject	Course Code	L	T	P	Credits
1	Financial Management	3099191200	3	0	0	3
2	Human Resource Management	3099191201	3	0	0	3
3	Marketing Management	3099191202	3	0	0	3
4	Production and Operations Management	3099191203	3	0	0	3
5	Business Research Methodology	3099191204	3	0	0	3
6	Organizational Behaviour	3099191205	3	0	0	3
7	Mini Project	3099191270	0	0	8	4
8	Employability Skills-II	3099191280	1	0	4	3
Total Credits :						25
<b>IN BETWEEN YEAR I &amp; II</b>						
INTERNSHIP		3099192181	0	0	6	3

## II Year – I SEMESTER

S.No.	Name of the Subject	Course Code	L	T	P	Credits
1	Strategic Management	3099192100	3	0	0	3
2	Legal Aspects of Business	3099192101	3	0	0	3
3	Business Ethics & Corporate Governance	3099192102	3	0	0	3
4	Case Study	3099192170	0	0	4	2
5	Product Management (MARKETING)	3099192150	3	0	0	3
6	Promotion and Distribution Management (MARKETING)	3099192151	3	0	0	3
7	Investment Analysis and Portfolio Management (FIN) (ELECTIVE)	3099192152	3	0	0	3
8	Banking and Insurance (FIN) (ELECTIVE)	3099192153	3	0	0	3
7	Compensation and Performance Management (HR) (ELECTIVE)	3099192154	3	0	0	3
8	Management of Industrial Relations (HR) (ELECTIVE)	3099192155	3	0	0	3
9	Employability Skills-III	3099192180	1	0	4	3
Total Credits :						23

## II Year – II SEMESTER

S.No.	Name of the Subject	Course Code	L	T	P	Credits
1	Logistic and Supply Chain Management	3099192200	3	0	0	3
2	Entrepreneurship Development	3099192201	3	0	0	3
3	Services Marketing (MARKETING)	3099192250	3	0	0	3
4	Consumer Behavior (MARKETING)	3099192251	3	0	0	3
5	International Financial Management (FIN) (ELECTIVE)	3099192252	3	0	0	3
6	Financial Risk Management (FIN) (ELECTIVE)	3099192253	3	0	0	3
5	Global Human Resource Management (HR) (ELECTIVE)	3099192254	3	0	0	3
6	Management of Change and Development (HR) (ELECTIVE)	3099192255	3	0	0	3
7	Major Project & Comprehensive Viva	3099192270	0	0	8	4
8	Employability Skills-IV	3099192280	1	0	4	3
Total Credits :						25

**Either in Year I or /II**

<b>S.No.</b>	<b>Name of the Subject</b>	<b>Course Code</b>	<b>L</b>	<b>T</b>	<b>P</b>	<b>Credits</b>
1	MOOCS	3099192256	0	0	6	3
Grand Total Credits:						102