



## Semester - 1

Code	Subject	Credit	Lect	Lab	Tut	Internal Marks			External Marks		Passing Marks (Theory + CE)	Passing Marks (Practical)	Total Marks
						T	P	CE	T	P	Int. + Ext.	Int. + Ext.	
05201101	Fundamentals of Programming	5	3	4	0	20	20	20	60	30	50	25	150
05201102	Fundamentals of Internet and Web Designing	4	3	2	0	20	20	20	60	30	50	25	150
05201103	Fundamentals of Computer Organization	3	3	0	0	20	-	20	60	-	50	-	100
05201104	Database Management System	4	3	2	0	20	20	20	60	30	50	25	150
05291101	Discrete Mathematics	5	3	0	2	20	-	20	60	-	50	-	100
05293102	COMMUNICATION SKILLS - I	4	2	-	2	-	-	100	-	-	50	-	100
	<b>Total</b>	<b>25</b>	<b>17</b>	<b>8</b>	<b>4</b>								<b>750</b>

**Lect** - Lecture, **Tut** - Tutorial, **Lab** - Lab, **T** - Theory, **P** - Practical, **CE** - CE, **T** - Theory, **P** - Practical  
**Theory Passing % : 50 Practical Passing % : 50**



## Semester - 2

						Internal Marks			External Marks		Passing Marks (Theory + CE)	Passing Marks (Practical)	Total Marks
Code	Subject	Credit	Lect	Lab	Tut	T	P	CE	T	P	Int. + Ext.	Int. + Ext.	
05201151	Data Structures	5	4	2	0	20	20	20	60	30	50	25	150
05201152	Object Oriented Concepts and Programming	5	3	4	0	20	20	20	60	30	50	25	150
05201153	Operating Systems	4	3	2	0	20	20	20	60	30	50	25	150
05201154	Structured Systems Analysis and Design	3	3	0	0	20	-	20	60	-	50	-	100
05201155	Application Lab	1	0	2	0	-	20	20	-	60	-	50	100
05291151	Computer Oriented Numerical and Statistical Methods	4	3	0	1	20	-	20	60	-	50	-	100
	<b>Total</b>	<b>22</b>	<b>16</b>	<b>10</b>	<b>1</b>								<b>750</b>

**Lect** - Lecture, **Tut** - Tutorial, **Lab** - Lab, **T** - Theory, **P** - Practical, **CE** - CE, **T** - Theory, **P** - Practical  
**Theory Passing % : 50 Practical Passing % : 50**



### Semester - 3

						Internal Marks			External Marks		Passing Marks (Theory + CE)	Passing Marks (Practical)	Total Marks
Code	Subject	Credit	Lect	Lab	Tut	T	P	CE	T	P	Int. + Ext.	Int. + Ext.	
05201201	Java Programming	4	3	2	0	20	20	20	60	30	50	25	150
05201202	Software Engineering	4	3	2	0	20	20	20	60	30	50	25	150
05201203	Advanced Database Management Systems	4	3	2	0	20	20	20	60	30	50	25	150
05201204	Open Source Technology Using PHP	5	3	4	0	20	20	20	60	30	50	25	150
05201205	Analysis and Design of Algorithms	3	3	0	0	20	-	20	60	-	50	-	100
05293202	COMMUNICATION & PROGRAMMING SKILLS	4	2	-	2	-	-	100	-	-	25	25	100
<b>Total</b>		<b>24</b>	<b>17</b>	<b>10</b>	<b>2</b>								<b>800</b>

**Lect** - Lecture, **Tut** - Tutorial, **Lab** - Lab, **T** - Theory, **P** - Practical, **CE** - CE, **T** - Theory, **P** - Practical  
**Theory Passing % : 50 Practical Passing % : 50**



## Semester - 4

						Internal Marks			External Marks		Passing Marks (Theory + CE)	Passing Marks (Practical)	Total Marks
Code	Subject	Credit	Lect	Lab	Tut	T	P	CE	T	P	Int. + Ext.	Int. + Ext.	
05201251	Advanced Java Programming	6	4	4	0	20	20	20	60	30	50	25	150
05201252	Management Information Systems	4	4	0	0	20	-	20	60	-	50	-	100
05201253	Data Communications and Networking	5	4	2	0	20	20	20	60	30	50	25	150
05201254	Comprehensive Assessment	3	3	0	0	-	20	20	-	60	-	50	100
05201255	Seminar	1	0	2	0	-	20	20	-	60	-	50	100
	Elective - 1 (Compsory Subjects :1) -	4	4	0	0	-	-	-	-	-	-	-	100
	<b>Total</b>	<b>23</b>	<b>19</b>	<b>8</b>	<b>0</b>								<b>700</b>

## Semester - 4 Elective - 1

						Internal Marks			External Marks		Passing Marks (Theory + CE)	Passing Marks (Practical)	Total Marks
Code	Subject	Credit	Lect	Lab	Tut	T	P	CE	T	P	Int. + Ext.	Int. + Ext.	
05201280	Geographic Information Systems	4	4	0	0	20	-	20	60	-	50	-	100
05201281	Software Project Management	4	4	0	0	20	-	20	60	-	50	-	100
05201282	Research Methodology	4	4	0	0	20	-	20	60	-	50	-	100
05201283	Artificial Intelligence	4	4	0	0	20	-	20	60	-	50	-	100
05201284	Information Security and Cyber Forensics	4	4	0	0	20	-	20	60	-	50	-	100



## Semester - 4 Elective - 1

Code	Subject	Credit	Lect	Lab	Tut	Internal Marks			External Marks		Passing Marks (Theory + CE)	Passing Marks (Practical)	Total Marks
						T	P	CE	T	P	Int. + Ext.	Int. + Ext.	
05291280	Operations Research	4	4	0	0	20	-	20	60	-	50	-	100

Lect - Lecture, Tut - Tutorial, Lab - Lab, T - Theory, P - Practical, CE - CE, T - Theory, P - Practical  
Theory Passing % : 50 Practical Passing % : 50



## Semester - 5

						Internal Marks			External Marks		Passing Marks (Theory + CE)	Passing Marks (Practical)	Total Marks
Code	Subject	Credit	Lect	Lab	Tut	T	P	CE	T	P	Int. + Ext.	Int. + Ext.	
05201301	Mobile Apps Development	6	3	6	0	20	20	20	60	30	50	25	150
05201302	Web Application Development	6	4	4	0	20	20	20	60	30	50	25	150
05201303	Minor Project	1	0	2	0	-	20	20	-	60	-	50	100
05293302	EMPLOYABILITY SKILLS	2	0	-	2	-	-	100	-	-	25	25	100
	Elective - 2 (Compsory Subjects :1) -	4	3	2	0	-	-	-	-	-	-	-	150
	Elective - 3 (Compsory Subjects :1) -	4	3	0	1	-	-	-	-	-	-	-	100
	<b>Total</b>	<b>23</b>	<b>13</b>	<b>14</b>	<b>3</b>								<b>750</b>

## Semester - 5 Elective - 2

						Internal Marks			External Marks		Passing Marks (Theory + CE)	Passing Marks (Practical)	Total Marks
Code	Subject	Credit	Lect	Lab	Tut	T	P	CE	T	P	Int. + Ext.	Int. + Ext.	
05201330	Computer Graphics	4	3	2	0	20	20	20	60	30	50	25	150
05201331	Big Data and Analytics	4	3	2	0	20	20	20	60	30	50	25	150
05201332	Cloud Computing	4	3	2	0	20	20	20	60	30	50	25	150
05201333	Open Source Tools and Frameworks	4	3	2	0	20	20	20	60	30	50	25	150
05201334	Data Warehousing and Mining	4	3	2	0	20	20	20	60	30	50	25	150
05201335	System Software	4	3	2	0	20	20	20	60	30	50	25	150



## Semester - 5 Elective - 3

Code	Subject	Credit	Lect	Lab	Tut	Internal Marks			External Marks		Passing Marks (Theory + CE)	Passing Marks (Practical)	Total Marks
						T	P	CE	T	P	Int. + Ext.	Int. + Ext.	
05201336	Business Intelligence	4	3	0	1	20	-	20	60	-	50	-	100
05201337	Agile Software Development	4	3	0	1	20	-	20	60	-	50	-	100
05201338	Wireless and Mobile Communications	4	3	0	1	20	-	20	60	-	50	-	100
05201339	Software Testing and Quality Assurance	4	3	0	1	20	-	20	60	-	50	-	100
05201340	Advanced Network and Network Security	4	3	0	1	20	-	20	60	-	50	-	100

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**Theory Passing % : 50 Practical Passing % : 50**



## Semester - 6

						Internal Marks			External Marks		Passing Marks (Theory + CE)	Passing Marks (Practical)	Total Marks
Code	Subject	Credit	Lect	Lab	Tut	T	P	CE	T	P	Int. + Ext.	Int. + Ext.	
05201351	Major Project	18	0	36	0	-	100	100	-	300	-	250	500
	<b>Total</b>	<b>18</b>	<b>0</b>	<b>36</b>	<b>0</b>								<b>500</b>

Lect - Lecture, Tut - Tutorial, Lab - Lab, T - Theory, P - Practical, CE - CE, T - Theory, P - Practical  
Theory Passing % : 50 Practical Passing % : 50