

Silver Oak University													
College Of Technology(01)													
Diploma Engineering(02)													
Department Of Computer Engineering (004)													
Effective From: 2024-25													
Sr No	Subject Code	Subject Name	Category	Teaching Scheme					Evaluation Scheme				
				L.	T.	P.	Contact Hours	Credit	CIE(TH)	CIE(PR)	ESE(TH)	ESE(PR)	Total Marks
<b>Semester 1</b>													
1	2010272101	Elementary Mathematics	Basic Science	3	2	0	5	5	50	-	50	-	100
2	2010252103	Fundamentals of Physics	Basic Science	3	0	2	5	4	50	25	50	25	150
3	2010152181	General English	HSS	2	0	2	4	3	50	25	50	25	150
4	2010262105	Applied Chemistry	Basic Science	3	0	2	5	4	50	25	50	25	150
5	2010122112	Engineering Workshop Practice	Engineering Science	0	0	4	4	2	-	50	-	50	100
6	2010002196	Induction Programme	Mandatory Course	0	0	0	0	0	-	50	-	50	100
7	2010032196	Environmental Science	Mandatory Course	2	1	0	3	0	50	-	50	-	100
8	3000833181	Universal Human Values	VAC/IKS	2	0	0	2	2	50	-	50	-	100
<b>Total</b>				<b>15</b>	<b>3</b>	<b>10</b>	<b>28</b>	<b>20</b>	<b>Total Marks</b>				<b>950</b>
<b>Semester 2</b>													
1	2010272104	Advanced Mathematics	Basic Science	3	2	0	5	5	50	-	50	-	100
2	2010252104	Advanced Physics	Basic Science	3	0	2	5	4	50	25	50	25	150
3	2010122111	Engineering Graphics	Engineering Science	2	0	4	6	4	50	25	50	25	150
4	2010152182	Professional Development and Communication	HSS	1	0	2	3	2	50	25	50	25	150
5	2010082112	Fundamentals of Electrical & Electronics	Engineering Science	3	0	2	5	4	50	25	50	25	150
6	2010042111	Introduction to C Programming	Engineering Science	3	0	2	5	4	50	25	50	25	150
<b>Total</b>				<b>15</b>	<b>2</b>	<b>12</b>	<b>29</b>	<b>23</b>	<b>Total Marks</b>				<b>850</b>
<b>Semester 3</b>													
1	2010042216	Foundations of Data Structures	Professional Core Course	4	0	2	6	5	50	25	50	25	150
2	2010042217	Database Design and Implementation	Professional Core Course	3	0	2	5	4	50	25	50	25	150
3	2010042218	Operating System Concepts	Professional Core Course	4	0	2	6	5	50	25	50	25	150
4	2010042219	C++ Programming	Professional Core Course	4	0	2	6	5	50	25	50	25	150
5	2010082240	Digital Logics & Design	Professional Elective-I	3	0	2	5	4	50	25	50	25	150
6	2010042236	Computer System Organization	Professional Elective-I	3	0	2	5	4	50	25	50	25	150
<b>Total</b>				<b>18</b>	<b>0</b>	<b>10</b>	<b>28</b>	<b>23</b>	<b>Total Marks</b>				<b>750</b>
<b>Semester 4</b>													
1	2010042220	<b>Web Technology-I</b>	Professional Core Course	3	0	2	5	4	50	25	50	25	150
2	2010042221	Java Programming	Professional Core Course	4	0	2	6	5	50	25	50	25	150
3	2010042222	Fundamentals of Computer Networks	Professional Core Course	4	0	2	6	5	50	25	50	25	150
4	2010042223	Fundamentals of Software Development	Professional Core Course	3	0	2	5	4	50	25	50	25	150
5	2010042296	Cyber Laws Including IT ACT, 2000	Audit Courses	1	0	0	1	0	0	50	0	50	100
6	2010082263	Microprocessor Architecture	Open Elective-I	2	0	2	4	3	50	25	50	25	150
7	2010042261	ARDUINO and PIC Controller	Open Elective-I	2	0	2	4	3	50	25	50	25	150

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8	2010002291	Problem Based Learning-I	Project Work	0	0	2	2	1	0	50	0	50	100
<b>Total</b>				<b>17</b>	<b>0</b>	<b>12</b>	<b>29</b>	<b>22</b>	<b>Total Marks</b>				<b>950</b>
Semester 5													
1	1010042316	Information Security	Professional Core Course	4	0	2	6	5	40	20	60	30	150
2	1010042317	Web Technology	Professional Core Course	4	0	2	6	5	40	20	60	30	150
3	1010042318	Advance Database Managment	Professional Core Course	4	0	2	6	5	40	20	60	30	150
4	1010042361	Basics of Python Programming	Open Elective-III	2	0	2	4	3	40	20	60	30	150
5	1010042362	Introduction to Cloud Infrastructure	Open Elective-III	2	0	2	4	3	40	20	60	30	150
6	1010042336	Advance Java Programming	Professional Elective-III	3	0	2	5	4	40	20	60	30	150
7	1010042337	Mobile Technology	Professional Elective-III	3	0	2	5	4	40	20	60	30	150
8	1010002391	Problem Based Learning-II	Project Work	0	0	2	2	1	0	40	0	60	100
9	1010042391	Internship	Project Work	0	0	0	0	1	0	40	0	60	100
<b>Total</b>				<b>17</b>	<b>0</b>	<b>12</b>	<b>29</b>	<b>24</b>	<b>Total Marks</b>				<b>950</b>
Semester 6													
1	1010042392	Project	Project Work	0	0	20	20	10	0	40	0	60	100
2	1010342381	Employability Enhancement & Job Skills	HSS	0	1	0	1	1	0	*40	0	*60	100
<b>Total</b>				<b>0</b>	<b>1</b>	<b>20</b>	<b>21</b>	<b>11</b>	<b>Total Marks</b>				<b>200</b>