

**SVKM'S NMIMS**  
**Mukesh Patel School of Technology Management & Engineering**  
**Teaching Scheme for Academic Year: 2020-21**  
**(As Approved in the Academic Council)**

Name of the Programme : B.Tech Data Science							Year of the Programme: Second Year				Semester : III											
Sr. No.	Module / Subject Code	Name of the Module	Theory Hours per week	Practicals Hours per week	Tutorials Hours per week	Total no. of hours for the subject (In term)	Credit/s	Duration of Examination (Hrs)		Mode of Exam	Examination Scheme (Weightage)									Template Codes	GR applicable (Yes / No)	Remark
								Term End Examination	Only ICA		Distribution of ICA Marks					TEE		Total				
										Test I	Test II	Term work *	Total Marks	Scaled to (Marks)	Marks (Question Paper)	Scaled to (Marks)	Scaled Marks (ICA+ TEE)	Weight age %				
1	BTDS03001	Data Gathering and Cleaning - EIL process	3	2	0	75	4	3		Written	10	10	30	50	50	100	50	100	100	7031	Yes	AC 14/02/2020 and pg. no. 392
2	BTDS03002	Data Structure and Algorithm	3	4	0	105	5	3		Written	10	10	30	50	50	100	50	100	100	7031	Yes	
3	BTDS03003	Database Management System	3	2	0	75	4	3		Written	10	10	30	50	50	100	50	100	100	7031	Yes	
4	BTDS03004	Applied Mathematics - III	3	2	0	75	4	3		Written	10	10	30	50	50	100	50	100	100	7031	Yes	
5	BTDS03005	Business Visualization	2	0	0	30	2	-	Only ICA	---	10	10	30	50	50	-	-	50	100	7032	No	
6	BTDS03007	Environmental Studies	2	0	0	30	0	-	Only ICA	---	10	10	30	50	50	-	-	50	100	7032	No	IOM 17/08/2019
7	BTDS03008	Managing Uncertainty	3	2	0	75	4	3		Written	10	10	30	50	50	100	50	100	100	7031	Yes	
<b>Total</b>			<b>19</b>	<b>12</b>	<b>0</b>	<b>465</b>	<b>23</b>	<b>15</b>			<b>70</b>	<b>70</b>	<b>210</b>	<b>350</b>	<b>350</b>	<b>500</b>	<b>250</b>	<b>600</b>				

\*Term Work = Viva / Presentations/ Journals/ assignments/ quizzes / MCQs/Business plans/Role plans etc.

Pls. Note :- Any approval/change should be highlighted in grey as per academic council meeting, dated \_\_\_\_\_

HOD:   
 Prof. Sarada Samantaray

Dean : \_\_\_\_\_  
 Dr. Alka Mahajan

Date : 1/07/2020

**SVKM'S NMIMS**  
**Mukesh Patel School of Technology Management & Engineering**  
**Teaching Scheme for Academic Year 2020-21**  
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Name of the Programme : B.Tech Data Science							Year of the Programme: Second Year				Semester : IV											
Sr. No.	Module / Subject Code	Name of the Module	Theory Hours (Per Week)	Practicals Hours (Per Week)	Tutorials Hours (Per Week)	Total no. of hours for the subject (In Term)	Credit/s	Duration of Examination (Hrs)		Mode of Exam	Examination Scheme (Weightage)								Templ ate Codes	GR applica ble (Yes / No)	R e m a r k	
								Term End Examinati on	Only ICA		Distribution of ICA Marks					TEE		Total				
										Test I	Test II	Term work	Total Marks	Scaled to (Marks)	Marks (Questi on Paper)	Scaled to (Marks)	Scaled Marks (ICA + TEE)	Weight age %				
1	BTDS04003	Advanced Database Management System	3	2	0	75	4	3	-	Written	10	10	30	50	50	100	50	100	100	7031	Yes	
2	BTDS04004	Operations Research	3	0	0	45	3	3	-	Written	10	10	30	50	50	100	50	100	100	7031	Yes	
3	BTDS04006	Cyber Security	3	2	0	75	4	3	-	Written	10	10	30	50	50	100	50	100	100	7031	Yes	
4	BTDS04007	Operating Systems	3	2	0	75	4	3	-	Written	10	10	30	50	50	100	50	100	100	7031	Yes	AC 11/10/2019 and pg. no. 280
5	BTDS04008	Internet of Things	3	2	0	75	4	3	-	Written	10	10	30	50	50	100	50	100	100	7031	Yes	AC 14/02/2020 and pg. no. 393
6	BTDS04009	Statistical Method - I	3	2	0	75	4	3	-	Written	10	10	30	50	50	100	50	100	100	7031	Yes	
7	BTDS04010	Computer Organization and Architecture	3	0	0	45	3	3	-	Written	10	10	30	50	50	100	50	100	100	7031	Yes	
<b>Total</b>			<b>21</b>	<b>10</b>	<b>0</b>	<b>465</b>	<b>26</b>	<b>21</b>			<b>70</b>	<b>70</b>	<b>210</b>	<b>350</b>	<b>350</b>	<b>700</b>	<b>350</b>	<b>700</b>				

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**Mukesh Patel School of Technology Management & Engineering**  
**Teaching Scheme for Academic Year 2020-21**  
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Name of the Programme : B.Tech Data Science							Year of the Programme: Third Year				Semester : V											
Sr. No.	Module / Subject Code	Name of the Module	Theory Hours (Per Week)	Practicals Hours (Per Week)	Tutorials Hours (Per Week)	Total no. of hours for the subject (In Term)	Credit/s	Duration of Examination (Hrs)		Mode of Exam	Examination Scheme (Weightage)								Templa te Codes	GR applica ble (Yes / No)	R e m a r k	
								Term End Examinat ion	Only ICA		Distribution of ICA Marks					TEE						Total
										Test I	Test II	Term work	Total Marks	Scaled to (Marks)	Marks (Questi on Paper)	Scaled to (Marks)	Scaled Marks (ICA + TEE)	Weight age %				
1	BTDS05001	Business Economics	3	0	0	45	3	3		Written	10	10	30	50	50	100	50	100	100	7031	Yes	
2	BTDS05002	Artificial Intelligence	3	2	0	75	4	3		Written	10	10	30	50	50	100	50	100	100	7031	Yes	
3	BTDS05003	Machine Learning	3	2	0	75	4	3		Written	10	10	30	50	50	100	50	100	100	7031	Yes	AC 14/02/2020 and pg. no. 394
4	BTDS05004	Image and Signal Processing	3	2	0	75	4	3		Written	10	10	30	50	50	100	50	100	100	7031	Yes	
5	BTDS05005	Applied Mathematics - IV	3	2	0	75	4	3		Written	10	10	30	50	50	100	50	100	100	7031	Yes	
6	BTDS05006	Data Science Ethics	2	0	0	30	2	-	Only ICA	-	10	10	30	50	50	-	-	50	100	7032	No	
7	BTDS05007	Research Methodology	2	0	0	30	2	-	Only ICA	-	10	10	30	50	50	-	-	50	100	7032	No	AC 11/10/2019 and pg. no. 279
8	BTDS05008	Statistical Method - II	3	2	0	75	4	3		Written	10	10	30	50	50	100	50	100	100	7031	Yes	AC 12/06/2020 and pg. no. 109
<b>Total</b>			<b>22</b>	<b>10</b>	<b>0</b>	<b>480</b>	<b>27</b>	<b>18</b>			<b>80</b>	<b>80</b>	<b>240</b>	<b>400</b>	<b>400</b>	<b>600</b>	<b>300</b>	<b>700</b>				

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HOD:   
 Prof. Sarada Samantaray

Dean : \_\_\_\_\_  
 Dr. Alka Mahajan

Date : 01-07-2020

**SVKM'S NMIMS**  
**Mukesh Patel School of Technology Management & Engineering**  
**Teaching Scheme for Academic Year: 2020-21**

Name of the Programme : B.Tech Data Science							Year of the Programme: Third Year				Semester : VI											
Sr. No.	Module / Subject Code	Name of the Module	Theory Hours (Per Week)	Practicals Hours (Per Week)	Tutorial s Hours (Per Week)	Total no. of hours for the subject (In Term)	Credit/ s	Duration of Examination (Hrs)		Mode of Exam	Examination Scheme (Weightage)								Templa te Codes	GR applica ble (Yes / No)	R e m a r k	
								Term End Examiniti on	Only ICA		Distribution of ICA Marks				TEE		Total					
										Test I	Test II	Term work	Total Marks	Scaled to (Marks)	Marks (Questi on Paper)	Scaled to (Marks)	Scaled Marks (ICA + TEE)	Weight age %				
1	BTDS06001	Big Data	3	2	0	75	4	3		Written	10	10	30	50	50	100	50	100	100	7031	Yes	
2	BTDS06002	Deep Learning	3	2	0	75	4	3		Written	10	10	30	50	50	100	50	100	100	7031	Yes	AC 14/02/2020 and pg. no. 395
3	BTDS06003	Computer Vision	3	2	0	75	4	3		Written	10	10	30	50	50	100	50	100	100	7031	Yes	
4	BTDS06004	Predictive Modelling	3	0	0	45	3	-	Only ICA	---	10	10	30	50	50	-	-	50	100	7032	No	
5	BTDS06005	Natural Language Processing	3	2	0	75	4	3		Written	10	10	30	50	50	100	50	100	100	7031	Yes	
6	BTDS06006	Financial Institution and Market	3	0	0	45	3	3		Written	10	10	30	50	50	100	50	100	100	7031	Yes	AC 14/02/2020 and pg. no. 395
7	BTDS06007	Marketing Management	2	0	0	30	2	3		Written	10	10	30	50	50	100	50	100	100	7031	Yes	
<b>Total</b>			<b>20</b>	<b>8</b>	<b>0</b>	<b>420</b>	<b>24</b>	<b>18</b>			<b>70</b>	<b>70</b>	<b>210</b>	<b>350</b>	<b>350</b>	<b>600</b>	<b>300</b>	<b>650</b>				

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 Dr. Alka Mahajan

Date : 01-07-2020

**SVKM's NMIMS**  
**School Name: Mukesh Patel School of Technology Management & Engineering**  
**Teaching Scheme for Academic Year 2020-21**  
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Name of the Programme: B.Tech Data Science							Year of the Programme: Fourth Year				Semester: VII											
Sr. No.	Module / Subject Code	Name of the Module	Theory Hours (Per Week)	Practicals Hours (Per Week)	Tutorials Hours (Per Week)	Total no. of hours for the subject (In Term)	Credit/s	Duration of Examination (Hrs)		Mode of Exam	Examination Scheme (Weightage)								Template Codes	GR applicable (Yes / No)	Remark	
								Term End Examination	Only ICA		Distribution of ICA Marks					TEE		Total				
										Test I	Test II	Term work	Total Marks	Scaled to (Marks)	Marks (Question Paper)	Scaled to (Marks)	Scaled Marks (ICA + TEE)	Weightage %				
1	BTDS07001	Internship / Project	0	30	0	450	15		Only ICA	-	0	0	0	200	200	-	-	200	100	7003	No	
<b>Total</b>			<b>0</b>	<b>30</b>	<b>0</b>	<b>450</b>	<b>15</b>	<b>0</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>200</b>	<b>200</b>	<b>0</b>	<b>0</b>	<b>200</b>				

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Date : 1/07/2020