

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

| Name of the Programme: M.Tech Data Science (Business Analytics) | | | | | | | Year of the Programme: First Year | | | | Semester: I | | | | | | | | | | | |
|---|-----------------------|--|-------------------------|-----------------------------|----------------------------|--|-----------------------------------|-------------------------------|----------|--------------|--------------------------------|-----------|-------------|-------------------|------------------------|-------------------|--------------------------|-------------|----------------|--------------------------|---------|-------------------------------|
| 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) | Remarks | |
| | | | | | | | | 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 | MTDS01003 | R/R Studio and Tableau Programming | 4 | 0 | 0 | 60 | 4 | 3 | - | Written | 10 | 10 | 30 | 50 | 50 | 100 | 50 | 100 | 100 | 7031 | Yes | |
| 2 | MTDS01006 | Financial Institutions & Markets | 3 | 0 | 0 | 45 | 3 | 3 | - | Written | 10 | 10 | 30 | 50 | 50 | 100 | 50 | 100 | 100 | 7031 | Yes | |
| 3 | MTDS01009 | Basics of Operations and Supply Chain Management | 3 | 0 | 0 | 45 | 3 | 3 | - | Written | 10 | 10 | 30 | 50 | 50 | 100 | 50 | 100 | 100 | 7031 | Yes | |
| 4 | MTDS01010 | Data Gathering and Cleaning - ETL process | 3 | 0 | 0 | 45 | 3 | 3 | - | Written | 10 | 10 | 30 | 50 | 50 | 100 | 50 | 100 | 100 | 7031 | Yes | |
| 5 | MTDS01011 | Probability and Statistics | 4 | 0 | 0 | 60 | 4 | 3 | - | Written | 10 | 10 | 30 | 50 | 50 | 100 | 50 | 100 | 100 | 7031 | Yes | |
| 6 | MTDS01012 | Programming for Analytics | 4 | 0 | 0 | 60 | 4 | - | ICA only | --- | 10 | 10 | 30 | 50 | 50 | - | - | 50 | 100 | 7032 | No | AC 14/02/2020 and pg. no. 397 |
| 7 | MTDS01013 | Basic Marketing | 3 | 0 | 0 | 45 | 3 | 3 | - | Written | 10 | 10 | 30 | 50 | 50 | 100 | 50 | 100 | 100 | 7031 | Yes | |
| | Total | | 24 | 0 | 0 | 360 | 24 | 18 | | | 70 | 70 | 210 | 350 | 350 | 600 | 300 | 650 | | | | |

* 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

School Name: Mukesh Patel School of Technology Management & Engineering

Teaching Scheme for Academic Year 2020-21

| Name of the Programme: M. Tech Data Science (Business Analytics) | | | | | | | Year of the Programme: First Year | | | | | Semester : II | | | | | | | | | | |
|--|-----------------------|----------------------------------|-------------------------|-----------------------------|----------------------------|--|-----------------------------------|-------------------------------|----------|--------------|--------------------------------|---------------|-------------|-------------------|------------------------|-------------------|--------------------------|-------------|----------------|--------------------------|---------|-------------------------------|
| 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) | Remarks | |
| | | | | | | | | 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 | MTDS02001 | Big Data Technology | 4 | 0 | 0 | 60 | 4 | 3 | - | Written | 10 | 10 | 30 | 50 | 50 | 100 | 50 | 100 | 100 | 7031 | Yes | |
| 2 | MTDS02002 | Advanced Statistical Learning | 4 | 0 | 0 | 60 | 4 | 3 | - | Written | 10 | 10 | 30 | 50 | 50 | 100 | 50 | 100 | 100 | 7031 | Yes | |
| 3 | MTDS02004 | Business Visualization | 2 | 0 | 0 | 30 | 2 | - | Only ICA | Online | 10 | 10 | 30 | 50 | 50 | - | - | 50 | 100 | 7032 | No | |
| 4 | MTDS02005 | Python Programming | 2 | 0 | 0 | 30 | 2 | - | Only ICA | Online | 10 | 10 | 30 | 50 | 50 | - | - | 50 | 100 | 7032 | No | |
| 5 | MTDS02006 | Operations Research | 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. 398 |
| 6 | MTDS02007 | Research Project | 2 | 0 | 0 | 30 | 2 | - | Only ICA | - | 10 | 10 | 30 | 50 | 50 | - | - | 50 | 100 | 7032 | No | |
| 7 | MTDS02011 | Machine Learning and Data Mining | 4 | 0 | 0 | 60 | 4 | 3 | - | Written | 10 | 10 | 30 | 50 | 50 | 100 | 50 | 100 | 100 | 7031 | Yes | |
| | | Elective (Any one) | | | | | | | | | | | | | | | | | | | | |
| 8 | MTDS02014 | Marketing Analytics | 4 | 0 | 0 | 60 | 4 | 3 | - | Written | 10 | 10 | 30 | 50 | 50 | 100 | 50 | 100 | 100 | 7031 | Yes | |
| 9 | MTDS02017 | Advanced Supply Chain Analytics | 4 | 0 | 0 | 60 | 4 | 3 | - | Written | 10 | 10 | 30 | 50 | 50 | 100 | 50 | 100 | 100 | 7031 | Yes | |
| 10 | MTDS02018 | Finance Analytics | 4 | 0 | 0 | 60 | 4 | 3 | - | Written | 10 | 10 | 30 | 50 | 50 | 100 | 50 | 100 | 100 | 7031 | Yes | AC 14/02/2020 and pg. no. 398 |
| | Total | | 25 | 0 | 0 | 375 | 25 | 15 | | | 70 | 70 | 240 | 400 | 400 | 500 | 250 | 650 | | | | |

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HOD:

Prof. Sarada Samantary

Dean :

Dr. Alka Mahajan


Date : 01-07-2020

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Teaching Scheme for Academic Year 2020-21
(As Approved in the Academic Council)

| Name of the Programme: M. Tech Data Science (Business Analytics) | | | | | | | 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) | Weightage % | | | | |
| 1 | MTDS03008 | Data Science - III | 4 | 0 | 0 | 60 | 4 | 3 | - | Written | 10 | 10 | 30 | 50 | 50 | 100 | 50 | 100 | 100 | 7031 | Yes | |
| 2 | MTDS03009 | Deep Learning | 4 | 0 | 0 | 60 | 4 | 3 | - | Written | 10 | 10 | 30 | 50 | 50 | 100 | 50 | 100 | 100 | 7031 | Yes | |
| 3 | MTDS03010 | Artificial Intelligence | 4 | 0 | 0 | 60 | 4 | 3 | - | Written | 10 | 10 | 30 | 50 | 50 | 100 | 50 | 100 | 100 | 7031 | Yes | |
| 4 | MTDS03011 | Sentiment, Web and Text Analytics | 3 | 0 | 0 | 45 | 3 | 3 | - | Written | 10 | 10 | 30 | 50 | 50 | 100 | 50 | 100 | 100 | 7031 | Yes | |
| | | Capstone Project (Any One) | | | | | | | | | | | | | | | | | | | | |
| 5 | MTDS03005 | Advanced Financial Analytics | 4 | 0 | 0 | 60 | 4 | - | Only ICA | - | 10 | 10 | 30 | 50 | 50 | - | - | 50 | 100 | 7032 | No | AC 14/02/2020 and pg. no. 399 |
| 6 | MTDS03006 | Advanced Marketing Analytics | 4 | 0 | 0 | 60 | 4 | - | Only ICA | - | 10 | 10 | 30 | 50 | 50 | - | - | 50 | 100 | 7032 | No | |
| 7 | MTDS03007 | Advanced Operations and Supply Chain Analytics | 4 | 0 | 0 | 60 | 4 | - | Only ICA | - | 10 | 10 | 30 | 50 | 50 | - | - | 50 | 100 | 7032 | No | |
| | Total | | 19 | 0 | 0 | 285 | 19 | 12 | | | 50 | 70 | 210 | 350 | 350 | 400 | 200 | 550 | | | | |

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Teaching Scheme for Academic Year 2020-21

| Name of the Programme : M.Tech - Data Science (Business Analytics) | | | | | | | 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) | | | | | | | | Templat e Codes | GR applica ble (Yes / No) | R e m a r k | |
| | | | | | | | | Term End Examination | 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) | Weighta ge % | | | | |
| 1 | MTDS04001 | Internship / Project | 0 | 32 | 0 | 480 | 16 | - | Only ICA | - | 0 | 0 | 0 | 100 | 100 | 0 | 0 | 100 | 100 | 7032 | No | |
| Total | | | 0 | 32 | 0 | 480 | 16 | 0 | | | 0 | 0 | 0 | 100 | 100 | 0 | 0 | 100 | | | | |

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