

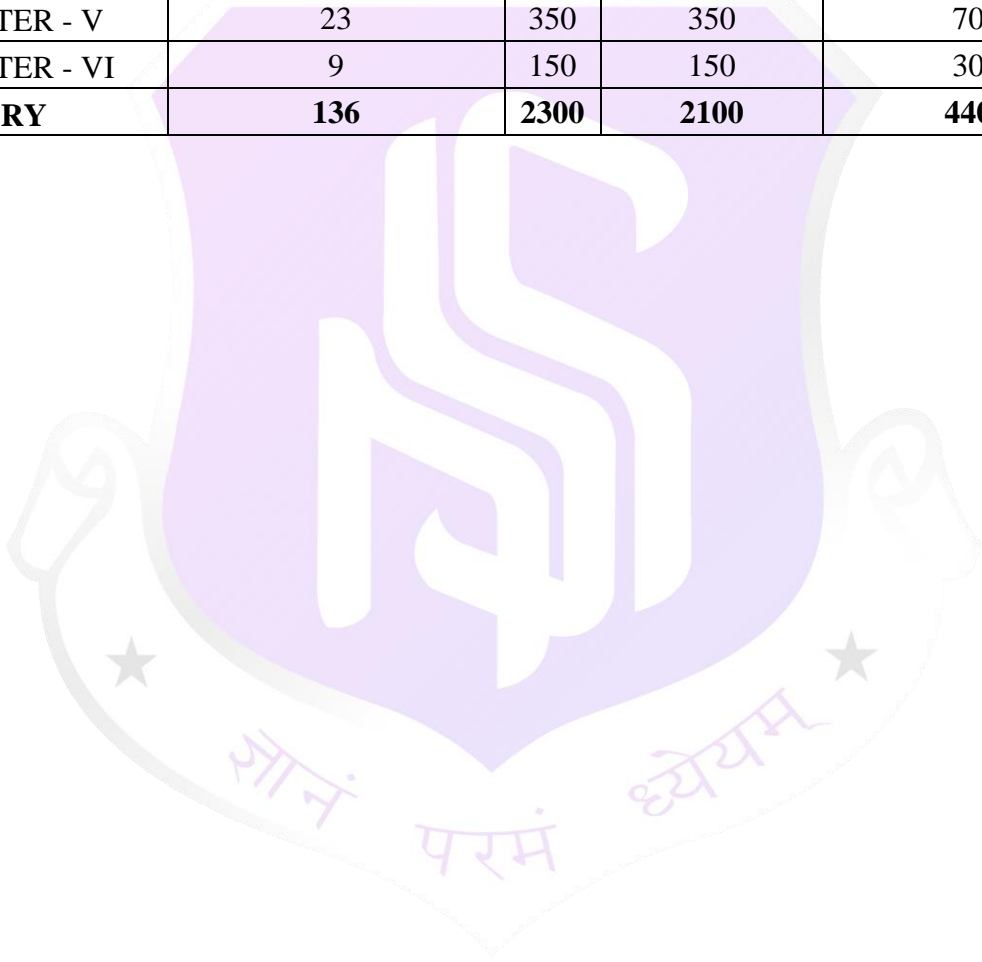
## Post Graduate Diploma in Management - Data science and Analytics

### Program Structure 2022-24

<b>OBJECTIVE</b>	A Two-year full-time program designed to create Techno managers with an analytical approach towards solving business problems using data visualisation & decision-making tools take your career to the next level in the field of Data Science.											
<b>DURATION (In Months)</b>	24 (Full Time)											
<b>INTAKE</b>	<b>60</b>											
<b>ELIGIBILITY</b>	<p>The candidate must hold the bachelor's degree or equivalent examinations in any discipline with at least 50% marks or equivalent CGPA (45% in case of candidates belonging to reserved categories). In order to pursue this course, you must have pursued your graduation preferably in the IT/ Engineering/ statistics field.</p> <p>The candidate must have appeared for NBSAT (NBS aptitude test), a management entrance exam devised by Narayana Business School, which access the candidates Mathematical Aptitude, General Knowledge, Verbal Ability &amp; Abstract Reasoning.</p>											
<b>SELECTION PROCEDURE</b>	<p>Students will be evaluated on the following parameters</p> <table border="1"> <tr> <td>NBSAT Score (out of 100, scale down to 50 marks)</td> <td>50%</td> </tr> <tr> <td>Academic Performance &amp; Prior Work Experience</td> <td>20%</td> </tr> <tr> <td>Group Discussion</td> <td>15%</td> </tr> <tr> <td>Personal Interview</td> <td>15%</td> </tr> <tr> <td><b>Total</b></td> <td><b>100</b></td> </tr> </table>		NBSAT Score (out of 100, scale down to 50 marks)	50%	Academic Performance & Prior Work Experience	20%	Group Discussion	15%	Personal Interview	15%	<b>Total</b>	<b>100</b>
NBSAT Score (out of 100, scale down to 50 marks)	50%											
Academic Performance & Prior Work Experience	20%											
Group Discussion	15%											
Personal Interview	15%											
<b>Total</b>	<b>100</b>											
<b>MEDIUM OF INSTRUCTION</b>	English											
<b>PROGRAMME PATTERN</b>	Trimester											
<b>FEE</b>	10,85,000 for two years (Excluding Hostel amenities)											
<b>ASSESSMENT</b>	Each course will have weightage of 100 marks wherein 50% will be of Continuous Evaluation Components & 50% will be of Term End Examination.											
<b>STANDARD OF PASSING</b>	Maximum Grade Point (GP) is 10 corresponding to O (Outstanding). For all courses, a student is required to pass both Continuous Evaluation Components and Term End Examination separately with a minimum Grade Point of 4 corresponding to Grade PASS. Students securing less than 40% absolute marks in each head of passing will be declared FAIL.											
<b>AWARDOF DEGREE/ DIPLOMA/ CERTIFICATE</b>	Post Graduate Diploma in Management will be awarded at the end of semester VI examination by taking into consideration the performance of all semester examinations after obtaining minimum CGPA of 4 out of maximum of 10 CGPA.											

**PROGRAM SUMMARY**

TRIMESTER	TOTAL CREDITS	CEC	TERM END	TOTAL MARKS
TRIMESTER - I	26	450	400	850
TRIMESTER - II	26	450	400	850
TRIMESTER - III	26	450	400	850
TRIMESTER - IV	26	450	400	850
TRIMESTER - V	23	350	350	700
TRIMESTER - VI	9	150	150	300
<b>SUMMARY</b>	<b>136</b>	<b>2300</b>	<b>2100</b>	<b>4400</b>



### Course Details

<b>TRIMESTER 1 -CORE COURSES</b>					
<b>COURSE CODE</b>	<b>COURSE NAME</b>	<b>CREDIT</b>	<b>CEC</b>	<b>TERM END</b>	<b>TOTAL</b>
1PGDMDSA01	Managerial Accounting -I	3	50	50	100
1PGDMDSA02	Managerial Economic-I	3	50	50	100
1PGDMDSA03	Perspective management	3	50	50	100
1PGDMDSA04	Statistics for Decision making I	3	50	50	100
1PGDMDSA05	Research Methodology	3	50	50	100
1PGDMDSA06	Effective Business Communication	3	50	50	100
1PGDMDSA07	Corporate Finance	3	50	50	100
1PGDMDSA08	Data Warehousing	3	50	50	100
1PGDMDSA09	Data Analysis with Excel Tools	2	50	**	50
	<b>Total credits</b>	<b>26</b>		<b>Total Marks</b>	<b>850</b>

<b>TRIMESTER 2 -CORE COURSES</b>					
<b>COURSE CODE</b>	<b>COURSE NAME</b>	<b>CREDIT</b>	<b>CEC</b>	<b>TERM END</b>	<b>TOTAL</b>
2PGDMDSA01	Statistics for Decision Making - II	3	50	50	100
2PGDMDSA02	Marketing Principles and Applications	3	50	50	100
2PGDMDSA03	Human Resource Management	3	50	50	100
2PGDMDSA04	Data Driven Decision Making	3	50	50	100
2PGDMDSA05	Simulation through MATLAB	3	50	50	100
2PGDMDSA06	Fundamentals of R	3	50	50	100
2PGDMDSA07	Data Mining	3	50	50	100
2PGDMDSA08	RDBMS	3	50	50	100
2PGDMDSA09	Personal Competence and capability Building -I	2	50	**	50
	<b>Total Credits</b>	<b>26</b>		<b>Total Marks</b>	<b>850</b>



**TRIMESTER 3 -CORE COURSES**

<b>COURSE CODE</b>	<b>COURSE NAME</b>	<b>CREDIT</b>	<b>CEC</b>	<b>TERM END</b>	<b>TOTAL</b>
3PGDMDSA01	Operation Research	3	50	50	100
3PGDMDSA02	Strategic Management	3	50	50	100
3PGDMDSA03	Data Science using R	4	50	50	100
3PGDMDSA04	Data Visual Techniques	3	50	50	100
3PGDMDSA05	Mongo DB	3	50	50	100
3PGDMDSA06	Machine learning using Python	4	50	50	100
3PGDMDSA07	Minor course Project	3	50	50	100
3PGDMDSA08	Neural Network & Deep Learning	2	50	50	100
3PGDMDSA09	Personal Competence and capability Building -II	1	50	**	50
	<b>Total Credits</b>	<b>26</b>		<b>Total Marks</b>	<b>850</b>

**TRIMESTER 4 -CORE COURSES**

<b>COURSE CODE</b>	<b>COURSE NAME</b>	<b>CREDIT</b>	<b>CEC</b>	<b>TERM END</b>	<b>TOTAL</b>
4PGDMDSA01	Corporate Interface through Summer Internship	6	100	100	200
4PGDMDSA02	Domain Exposure Projects	6	100	100	200
4PGDMDSA03	Entrepreneurship	3	50	50	100
4PGDMDSA04	Block Chain Technology	3	50	50	100
4PGDMDSA05	NO SQL for Data Science	3	50	50	100
4PGDMDSA06	Design Thinking	3	50	50	100
4PGDMDSA07	Domain Study	2	50	**	50
	<b>Total Credits</b>	<b>26</b>		<b>Total Marks</b>	<b>850</b>



**TRIMESTER 5 - CORE COURSES**

<b>COURSE CODE</b>	<b>COURSE NAME</b>	<b>CREDIT</b>	<b>CEC</b>	<b>TERM END</b>	<b>TOTAL</b>
5PGDMDSA01	Cloud Computing	3	50	50	100
5PGDMDSA02	A I for Business	4	50	50	100
5PGDMDSA03	Big Data Technology	4	50	50	100
5PGDMDSA04	Business Ethics and Corporate Governance	3	50	50	100
5PGDMDSA05	Data Visualisation Techniques using Tableau	3	50	50	100
5PGDMDSA06	IOT	2	50	50	100
5PGDMDSA07	Personal Competence and capability Building -III	2	50	50	100
5PGDMDSA08	HACKATHON	2	**	**	***
	<b>Total Credits</b>	<b>23</b>		<b>Total Marks</b>	<b>700</b>

**TRIMESTER 6 -CORE COURSES**

<b>COURSE CODE</b>	<b>COURSE NAME</b>	<b>CREDIT</b>	<b>CEC</b>	<b>TERM END</b>	<b>TOTAL</b>
6PGDMDSA01	Capstone Project	6	100	100	200
6PGDMDSA02	Flexi Credit Course	3	50	50	100
	<b>Total Credits</b>	<b>9</b>		<b>Total Marks</b>	<b>300</b>