

**Faculty of Science and Technology**

**Programme Structure**

For

**Post Graduate Diploma in Data Analytics and**

**Gen AI**

**Pattern 2025**

With Effect from Academic Year 2025 – 2026

Sem-1 Programme Structure

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| **Faculty** | *Science and Technology* | **Pattern** | 2025 |
| **Department** | Department of Artificial Intelligence | **Date (w.e.f.)** | 1/7/2025 |
| **Programme** | Post Graduate Diploma in Data Analytics and  Gen AI |  |  |

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| **Sr.No.** | **Course Code** | **Course Name** | **Teaching Scheme**  **(Hours/Week)** | | | **Credit** | **Examination Scheme and Marks** | | |
|  |  |  | **L** | **T** | **P** | **C** | **CIE** | **ESE** | **Total** |
| 1 | PGDDAAI25101 | Programming Fundamentals using Python | 1 | 0 | 2 | 2 | 60 | 40 | 100 |
| 2 | PGDDAAI25102 | Statistics for Data Science (TCSiON) | 3 | 0 | 0 | 3 | 60 | 40 | 100 |
| 3 | PGDDAAI25103 | Machine Learning Fundamentals (TCSiON) | 3 | 0 | 2 | 4 | 60 | 40 | 100 |
| 4 | PGDDAAI25104 | Data Warehousing and predictive Modeling | 3 | 0 | 2 | 4 | 60 | 40 | 100 |
| 5 | PGDDAAI25105 | Data Visualization using Tableau and PowerBI (TCSiON) | 3 | 0 | 2 | 4 | 60 | 40 | 100 |
| 6 | PGDDAAI25106 | Campus to Corporate | 2 | 0 | 0 | 2 | 50 | 00 | 50 |
| Total | | | **15** | **00** | **08** | **19** | **350** | **200** | **550** |
| **Instructions, if any: 1 Theory/Tutorial Hour = 1 Credit, 2 Practical hours = 1 Credit** | | | | | | | | | |

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Sem-2 Program Structure

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| **Faculty** | *Science and Technology* | **Pattern** | 2025 |
| **Department** | Department of Artificial Intelligence | **Date (w.e.f.)** | 1/7/2025 |
| **Programme** | Post Graduate Diploma in Data Analytics and  Gen AI |  |  |

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| **Semester -II** | | | | | | | | | |
| **Sr.No.** | **Course**  **Code** | **Course Name** | **Teaching Scheme**  **(Hours/Week)** | | | **Credit** | **Examination Scheme and Marks** | | |
|  |  |  | **L** | **T** | **P** | **C** | **CIE** | **ESE** | **Total** |
| 1 | PGDDAAI25201 | Introduction to Artificial Intelligence (TCSiON) | 3 | 0 | 2 | 4 | 60 | 40 | 100 |
| 2 | PGDDAAI25202 | Deep Learning | 3 | 0 | 2 | 4 | 60 | 40 | 100 |
| 3 | PGDDAAI25203 | Natural Language Processing | 3 | 0 | 2 | 4 | 60 | 40 | 100 |
| 4 | PGDDAAI25204 | Big Data Technologies (TCSiON) | 3 | 0 | 2 | 4 | 60 | 40 | 100 |
| 5 | PGDDAAI25205 | Generative Artificial Intelligence | 3 | 0 | 2 | 4 | 60 | 40 | 100 |
| 6 | PGDDAAI25206 | Industry Project | 0 | 0 | 12 | 6 | 90 | 60 | 150 |
| Total | | | **15** | **0** | **22** | **26** | **390** | **260** | **650** |
| **Instructions, if any: 1 Theory/Tutorial Hour = 1 Credit, 2 Practical hours = 1 Credit** | | | | | | | | | |

Name of Head of Department Dr. Pavitha Nooji Name of Dean **Prof. (Dr.) Kailas Patil**

Sign: Sign:

Date: Date: