

**Faculty of Science and Technology**

**Programme Structure**

For

Second Year

**Bachelor of Technology (Computer Science and Engineering- Artificial Intelligence and Machine Learning)**

Programme Code: BTECAM

Pattern 2024

With Effect from Academic Year 2025 – 2026

1.
2. Title: Artificial Intelligence and Machine Learning Programme Structure Form No: IQAC-101

SEM-III

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| **Faculty** | ***Science and Technology*** | **Pattern**  | 2024 |
| **Department** | **Artificial Intelligence**  | **Date (w.e.f.)** |  |
| **Programme** | **B.Tech (CSE- Artificial Intelligence and Machine Learning) (BTECAM)** |  |  |
| **Course Type** | **Course Code** | **Course Name** | **Teaching Scheme****(Hours/Week)** | **Credit** | **Examination Scheme and Marks** |
|  |  |  | **L** | **T** | **P** | **C** | **CIE** | **ESE** | **Total** |
| PCC  | BTECAM24301  | Applied Statistical Analysis  | 3  | 0  | 0  | 3  | 60  | 40  | 100 |
| PCC | BTECAM24302  | Applied Statistical Analysis Lab  | 0  | 0  | 2  | 1  | 15  | 10  | 25 |
| PCC | BTECAM24303 | Data Structures  | 3  | 0  | 0  | 3  | 60  | 40  | 100 |
| PCC | BTECAM24304 | Data Structures Lab  | 0  | 0  | 2  | 1  | 15  | 10  | 25 |
| HSSM | BTECAM24305  | Financial Literacy and Banking  | 2  | 0  | 0  | 2  | 50  | 0  | 50 |
| CEP/FP | BTECAM24306  | Project Based Learning - Python  | 0  | 0  | 4  | 2  | 30  | 20  | 50 |
| VEC  | VE24AI01  | Environmental Science-I  | 2  | 0  | 0  | 2  | 50  | 0  | 50 |
| MC  | MT24AI01A  | Discrete Structures  | 3  | 0  | 0  | 3  | 60  | 40  | 100 |
|  OE  | OE24AI01 | Ubiquitous Computing  | 3  | 0  | 0  | 3  | 60  | 40  | 100 |
| Total =24 | **16**  | **0**  | **8**  | **20**  | **400**  | **200**  | **600** |
| **Instructions, if any: 1 Theory/Tutorial Hour = 1 Credit, 2 Practical hours = 1 Credit** |

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| Double Minor |
| MT24AI01B | Cyber Security and Cyber Laws |

SEM-IV

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| **Faculty** | ***Science and Technology*** | **Pattern**  | 2024 |
| **Department** | **Artificial Intelligence**  | **Date (w.e.f.)** |  |
| **Programme** | **B.Tech (CSE- Artificial Intelligence and Machine Learning) (BTECAM)** |  |  |
| **Course Type** | **Course Code** | **Course Name** | **Teaching Scheme****(Hours/Week)** | **Credit** | **Examination Scheme and Marks** |
|  |  |  | **L** | **T** | **P** | **C** | **CIE** | **ESE** | **Total** |
| PCC | BTECAM24401 | Business Intelligence | 3 | 0 | 0 | 3 | 60 | 40 | 100 |
| PCC | BTECAM24402 | Business Intelligence Lab  | 0 | 0 | 2 | 1 | 15 | 10 | 25 |
| PCC | BTECAM24403 | Database Management System | 3 | 0 | 0 | 3 | 60 | 40 | 100 |
| PCC | BTECAM24404 | Database Management System Lab | 0 | 0 | 2 | 1 | 15 | 10 | 25 |
| VSEC | BTECAM24405 | Technical Skill development Lab-2 (Java) | 1 | 0 | 2 | 2 | 30 | 20 | 50 |
| HSSM | BTECAM24406 | Project Management | 2 | 0 | 0 | 2 | 50 | 0 | 50 |
| AEC |  BTECAM24407 | From Campus to Corporate - I | 2 | 0 | 0 | 2 | 50 | 0 | 50 |
| VEC | VE24AI02 | Environmental Science-II | 2 | 0 | 0 | 2 | 50 | 0 | 50 |
|  MC | MT24AI02A | Theory of Computation | 3 | 0 | 0 | 3 | 60 | 40 | 100 |
| OE | OE24AI02 | Fundamentals of Data warehousing | 3 | 0 | 0 | 3 | 60 | 40 | 100 |
| Total=27 | **19** | **0** | **6** | **22** | **450** | **200** | **650** |
| **Instructions, if any: 1 Theory/Tutorial Hour = 1 Credit, 2 Practical hours = 1 Credit** |

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| **Double Minor** |
| MT24AI02B | Information and Application Security  |

Head of the Department Dean

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ERP to provide document upload facility for evidencing – BoS meeting MoM, AC MoM, final approved grid with BoS chairman signature, etc.