

### Choice Based Credit System – Department Data

| Name of the Department |                          | Department of Computer Applications  |         |        |                 |                |      |      |           |
|------------------------|--------------------------|--------------------------------------|---------|--------|-----------------|----------------|------|------|-----------|
| Programme              |                          | MCA                                  |         |        |                 | Branch         |      |      |           |
| Semester               | First Semester - Batch A |                                      |         |        |                 | Specialization |      |      |           |
| Sl No.                 | Course Code              | Name of the Subject                  | #C/E/IE | Credit | Name of Faculty | Hrs./Week      | Slot | Room | *Strength |
| 1                      | CAS 2101                 | Introduction to Computer Science     | C       | 3      |                 | 3              |      |      | 36        |
| 2                      | CAS 2102                 | Programming in C                     | C       | 4      |                 | 4              |      |      | 36        |
| 3                      | CAS 2103                 | Computer Organization                | C       | 4      |                 | 4              |      |      | 36        |
| 4                      | CAS 2104                 | System Software                      | C       | 3      |                 | 3              |      |      | 36        |
| 5                      | CAS 2105                 | Discrete Structures and Graph Theory | C       | 3      |                 | 3              |      |      | 36        |

**Signature**

**Date**

**Head of the Department**

\*Strength - Maximum number of students that can be accommodated in a class

#C - Core paper E - Elective paper IE - Interdisciplinary elective

**Note**

The above department details may be published in the University Website

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|--|--------------------------|---|-------------------------------------|--------|-----------------|----------------|------|------|-----------|
| Name of the Department                       |                          |   | Department of Computer Applications |        |                 |                |      |      |           |
| Programme                                    |                          | MCA                                     |                                     |        |                 | Branch         |      |      |           |
| Semester                                     | Third Semester - Batch A |   |                                     |        |                 | Specialization |      |      |           |
| Sl No.                                       | Course Code              | Name of the Subject                     | #C/E/IE                             | Credit | Name of Faculty | Hrs./ Week     | Slot | Room | *Strength |
| 1  | CAS 2301                 | Advanced Data Structures and Algorithms | C                                   | 3      |                 | 3              |      |      | 36        |
| 2  | CAS 2302                 | Computer Graphics                       | C                                   | 3      |                 | 3              |      |      | 36        |
| 3  | CAS 2303                 | Software Engineering                    | C                                   | 4      |                 | 4              |      |      | 36        |
| 4  | CAS 2333                 | Java Programming                        | E                                   | 3      |                 | 3              |      |      | 36        |

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| Semester               | Fifth Semester - Batch A |                                     |           |          |                 | Specialization |      |      |           |
| Sl No.                 | Course Code              | Name of the Subject                 | #C/E/IE   | Credit   | Name of Faculty | Hrs./ Week     | Slot | Room | *Strength |
| 1                      | CAS 2501                 | Simulation and Modelling            | C         | 4        |                 | 4              |      |      | 36        |
| 2                      | CAS 2579                 | Big data Analytics                  | E         | 3        |                 | 3              |      |      | 36        |
| 3                      | CAS 2503                 | Wireless Security                   | E         | 3        |                 | 3              |      |      | 36        |
| 4                      | CAS 2504                 | Security Threats & Vulnerabilities  | E         | 3        |                 | 3              |      |      | 36        |
| 5                      | CAS 2505                 | Software Testing                    | E         | 3        |                 | 3              |      |      | 36        |
| 6                      | CAS 2506                 | Artificial Intelligence             | E         | 3        |                 | 3              |      |      | 36        |
| 7                      | CAS 2566                 | Data Mining                         | E         | 3        |                 | 3              |      |      | 36        |
| <b>8</b>               | <b>CAS 2578</b>          | <b>Business Analytics</b>           | <b>IE</b> | <b>3</b> |                 | <b>3</b>       |      |      | <b>36</b> |

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|--|----------------|--|-------------------------------------|--------|-----------------|----------------|------|------|-----------|
| Name of the Department                       |                |  | Department of Computer Applications |        |                 |                |      |      |           |
| Programme                                    |                | MSc Computer Science with specialization in Soft Computing |                                     |        |                 | Branch         |      |      |           |
| Semester                                     | First Semester |  |                                     |        |                 | Specialization |      |      |           |
| Sl No.                                       | Course Code    | Name of the Subject  | #C/E/IE                             | Credit | Name of Faculty | Hrs./Week      | Slot | Room | *Strength |
| 1  | CAM 2101       | Mathematical Foundation for Computer Science               | C                                   | 4      |                 | 4              |      |      | 36        |
| 2  | CAM 2102       | Operating System Concepts                                  | C                                   | 4      |                 | 4              |      |      | 36        |
| 3  | CAM 2103       | Data Structures and Algorithms                             | C                                   | 3      |                 | 3              |      |      | 36        |
| 4  | CAM 2104       | Programming in Python                                      | C                                   | 3      |                 | 3              |      |      | 36        |
| 5  | CAM 2105       | Artificial Intelligence                                    | C                                   | 3      |                 | 3              |      |      | 36        |

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| Programme              |             | MSc Computer Science with specialization in Soft Computing |         |        |                 | Branch         |      |      |           |
| Semester               |             | Third Semester   |         |        |                 | Specialization |      |      |           |
| Sl No.                 | Course Code | Name of the Subject  | #C/E/IE | Credit | Name of Faculty | Hrs./ Week     | Slot | Room | *Strength |
| 1                      | CAM 2301    | Machine Learning   | C       | 3      |                 | 3              |      |      | 36        |
| 2                      | CAM 2302    | Data Mining  | C       | 3      |                 | 3              |      |      | 36        |
| 3                      | CAM 2318    | Cryptography and Network Security                          | E       | 3      |                 | 3              |      |      | 36        |
| 4                      | CAM 2313    | Android Application Programming                            | E       | 3      |                 | 3              |      |      | 36        |

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