



# Chhattisgarh Swami Vivekanand Technical University, Bhilai

## Diploma in Artificial Intelligence and Machine Learning

### Semester-I

Session-2021

#### Scheme of Studies :

| S.No         | Board of Study                              | Course Code  | Course Titles   | Scheme of Studies (Hours/Week) |           |           |                  |
|--------------|---|--------------|---|--------------------------------|-----------|-----------|------------------|
|              |   |              |   | L                              | P         | T         | Credit L+T+(P/2) |
| 1            | Humanities                                  | 2000171(046) | Communication Skills-I  | 2                              | -         | 1         | 3                |
| 2            | Applied Science                             | 2000172(014) | Applied Maths-I   | 2                              | -         | 1         | 3                |
| 3            | Applied Science                             | 2000174(015) | Applied Physics   | 2                              | -         | 1         | 3                |
| 4            | Applied Science                             | 2000178(011) | Applied Chemistry   | 2                              | -         | 1         | 3                |
| 5            | Computer Science and Engineering            | 2000176(022) | Computer Fundamentals & Applications                                    | 2                              | -         | 0         | 2                |
| 6            | Applied Science                             | 2000190(015) | Applied Physics (Lab)   | -                              | 2         | -         | 1                |
| 7            | Applied Science                             | 2000191(011) | Applied Chemistry (Lab)   | -                              | 2         | -         | 1                |
| 8            | Computer Science and Engineering            | 2000193(022) | Computer Fundamentals & Applications (Lab)                              | -                              | 4         | -         | 2                |
| 9            | Electronics & Telecommunication Engineering | 2000194(028) | Electronics Work Shop Practice  | -                              | 2         | -         | 1                |
| 10           | Humanities                                  | 2000193(046) | Seminar & Technical Presentation (Listening, Reading & Speaking) Skills | -                              | 2         | -         | 1                |
| 11           | -   | -            | Library   | -                              | 2         | -         | -                |
| 12           | -   | -            | Co-curricular & Academic Activity Societies                             | -                              | 2         | -         | -                |
| <b>Total</b> |   |              |   | <b>10</b>                      | <b>16</b> | <b>04</b> | <b>20</b>        |

L - Lecture,

T - Tutorial,

P – Practical

#### Legend:

Lecture (L) → CI Classroom Instruction (Includes different instructional strategies i.e Lecture and others.)

Practical (P) → LI Laboratory Instruction (Includes practical performances in Laboratory workshop, field or other locations using different instructional strategies).

Tutorial (T) → Includes sessional work (SW) (assignment, seminar, mini project etc), self Learning (SL)

**Note:** Leftover periods/week shall be utilized for Self Learning (SL) purpose.



# Chhattisgarh Swami Vivekanand Technical University, Bhilai

## Diploma in Artificial Intelligence and Machine Learning

### Semester-I

Session-2021

#### Scheme of Examination:

| S.No         | Board of Study                              | Course Code  | Course Titles   | Scheme of Examination |            |            |            |            |             |
|--------------|---|--------------|---|-----------------------|------------|------------|------------|------------|-------------|
|              |   |              |   | Theory                |            |            | Practical  |            | Total Marks |
|              |   |              |   | ESE                   | CT         | TA         | ESE        | TA         |             |
| 1            | Humanities                                  | 2000171(046) | Communication Skills-I  | 70                    | 20         | 30         | -          | -          | 120         |
| 2            | Applied Science                             | 2000172(014) | Applied Maths-I   | 70                    | 20         | 30         | -          | -          | 120         |
| 3            | Applied Science                             | 2000174(015) | Applied Physics   | 70                    | 20         | 30         | -          | -          | 120         |
| 4            | Applied Science                             | 2000178(011) | Applied Chemistry   | 70                    | 20         | 30         | -          | -          | 120         |
| 5            | Computer Science and Engineering            | 2000176(022) | Computer Fundamentals & Applications                                    | 70                    | 20         | 30         | -          | -          | 120         |
| 6            | Applied Science                             | 2000190(015) | Applied Physics (Lab)   | -                     | -          | -          | 30         | 50         | 80          |
| 7            | Applied Science                             | 2000191(011) | Applied Chemistry (Lab)   | -                     | -          | -          | 30         | 50         | 80          |
| 8            | Computer Science and Engineering            | 2000193(022) | Computer Fundamentals & Applications (Lab)                              | -                     | -          | -          | 30         | 50         | 80          |
| 9            | Electronics & Telecommunication Engineering | 2000194(028) | Electronics Work Shop Practice  | -                     | -          | -          | 30         | 70         | 100         |
| 10           | Humanities                                  | 2000193(046) | Seminar & Technical Presentation (Listening, Reading & Speaking) Skills | -                     | -          | -          | -          | 60         | 60          |
| <b>Total</b> |   |              |   | <b>350</b>            | <b>100</b> | <b>150</b> | <b>120</b> | <b>280</b> | <b>1000</b> |

**ESE:** End of Semester Exam,

**CT:** Class Test,

**TA:** Teachers Assessment

**Legend:** PRA: Process Assessment, PDA: Product Assessment

- Note :**
- TA in Theory includes Sessional work (SW) and Attendance (ATT) with weightage of 70% and 30% of total respectively.
  - TA in Practical includes performance of PRA, PDA and Viva-Voce with weightage of 50%, 40% and 10% of total respectively.
  - 85% attendance is essential in theory & Practical classes to appear in examination.



# Chhattisgarh Swami Vivekanand Technical University, Bhilai

## Diploma in Artificial Intelligence and Machine Learning

### Semester-II

Scheme of Studies:

Session-2021

| S.No         | Board of Study                              | Course Code  | Course Titles  | Scheme of Studies (Hours/Week) |           |           |                  |
|--------------|---|--------------|--|--------------------------------|-----------|-----------|------------------|
|              |   |              |  | L                              | P         | T         | Credit L+T+(P/2) |
| 1            | Humanities                                  | 2000271(046) | Communication Skills-II  | 2                              | -         | 1         | 3                |
| 2            | Applied Science                             | 2000272(014) | Applied Maths-II   | 2                              | -         | 1         | 3                |
| 3            | Civil Engineering                           | 2000273(020) | Environmental Engineering & Sustainable Development                            | 2                              | -         | 1         | 3                |
| 4            | Computer Science and Engineering            | 2022274(022) | Programming in 'C'   | 2                              | -         | 1         | 3                |
| 5            | Electronics & Telecommunication Engineering | 2028275(028) | Basic Electronics Engineering  | 2                              | -         | 1         | 3                |
| 6            | Computer Science and Engineering            | 2022290(022) | Programming in 'C' (Lab)   | -                              | 4         | -         | 2                |
| 7            | Electronics & Telecommunication Engineering | 2028291(028) | Basic Electronics Engineering (Lab)  | -                              | 4         | -         | 2                |
| 8            | Humanities                                  | 2000292(046) | Seminar & Technical Presentation (Personality Development & Leadership) Skills | -                              | 2         | -         | 1                |
| 9            | -   | -            | Library  | -                              | 2         | -         | -                |
| 10           | -   | -            | Co-curricular & Academic Activity Societies                                    | -                              | 2         | -         | -                |
| <b>Total</b> |   |              |  | <b>10</b>                      | <b>14</b> | <b>05</b> | <b>20</b>        |

L - Lecture,

T - Tutorial,

P – Practical

**Legend:**

Lecture (L) → CI Classroom Instruction (Includes different instructional strategies i.e Lecture and others.)

Practical (P) → LI Laboratory Instruction (Includes practical performances in Laboratory workshop, field or other locations using different instructional strategies).

Tutorial (T) → Includes sessional work (SW) (assignment, seminar, mini project etc), self Learning (SL)

**Note:** Leftover periods/week shall be utilized for Self Learning (SL) purpose.



# Chhattisgarh Swami Vivekanand Technical University, Bhilai

## Diploma in Artificial Intelligence and Machine Learning

### Semester-II

Session-2021

#### Scheme of Examinations:

| S.No         | Board of Study                              | Course Code  | Course Titles  | Scheme of Examination |            |            |           |            | Total Marks |
|--------------|---|--------------|--|-----------------------|------------|------------|-----------|------------|-------------|
|              |   |              |  | Theory                |            |            | Practical |            |             |
|              |   |              |  | ESE                   | CT         | TA         | ESE       | TA         |             |
| 1            | Humanities                                  | 2000271(046) | Communication Skills-II  | 70                    | 20         | 30         | -         | -          | 120         |
| 2            | Applied Science                             | 2000272(014) | Applied Maths-II   | 70                    | 20         | 30         | -         | -          | 120         |
| 3            | Civil Engineering                           | 2000273(020) | Environmental Engineering & Sustainable Development                            | 70                    | 50         | 30         | -         | -          | 150         |
| 4            | Computer Science and Engineering            | 2022274(022) | Programming in 'C'   | 70                    | 50         | 50         | -         | -          | 170         |
| 5            | Electronics & Telecommunication Engineering | 2028275(028) | Basic Electronics Engineering  | 70                    | 50         | 50         | -         | -          | 170         |
| 6            | Computer Science and Engineering            | 2022290(022) | Programming in 'C' (Lab)   | -                     | -          | -          | 30        | 70         | 100         |
| 7            | Electronics & Telecommunication Engineering | 2028291(028) | Basic Electronics Engineering (Lab)  | -                     | -          | -          | 30        | 70         | 100         |
| 8            | Humanities                                  | 2000292(046) | Seminar & Technical Presentation (Personality Development & Leadership) Skills | -                     | -          | -          | -         | 70         | 70          |
| <b>Total</b> |   |              |  | <b>350</b>            | <b>190</b> | <b>190</b> | <b>60</b> | <b>210</b> | <b>1000</b> |

**ESE:** End of Semester Exam,

**CT:** Class Test,

**TA:** Teachers Assessment

**Legend:** PRA: Process Assessment, PDA: Product Assessment

- Note :**
- TA in Theory includes Sessional work (SW) and Attendance (ATT) with weightage of 70% and 30% of total respectively.
  - TA in Practical includes performance of PRA, PDA and Viva-Voce with weightage of 50%, 40% and 10% of total respectively.
  - 85% attendance is essential in theory & Practical classes to appear in examination.



# Chhattisgarh Swami Vivekanand Technical University, Bhilai

## Diploma in Artificial Intelligence and Machine Learning

### Semester-III

Scheme of Studies:

Session-2021

| S. No.       | Board of Study         | Course Code   | Course Titles   | Scheme of Studies (Hours/Week)                                      |           |           |                  |
|--------------|------------------------|---------------|---|---|-----------|-----------|------------------|
|              |                        |               |   | L   | P         | T         | Credit L+T+(P/2) |
| 1            | Computer Science Engg. | 2109371 (022) | Operating Systems with Linux                                  | 2   | 0         | 1         | 3                |
| 2            | Computer Science Engg. | 2109372 (022) | Basics of Big Data  | 3   | 0         | 0         | 3                |
| 3            | Computer Science Engg. | 2109373 (022) | Object-Oriented Programming using C++                         | 2   | 0         | 0         | 2                |
| 4            | Computer Science Engg. | 2109374 (022) | Database Management System                                    | 3   | 0         | 0         | 3                |
| 5            | Computer Science Engg. | 2109375 (022) | HTML and Cascading Style Sheet (CSS)                          | 2   | 0         | 0         | 2                |
| 6            | Computer Science Engg. | 2109361 (022) | Operating Systems with Linux (Lab)                            | 0   | 4         | 0         | 2                |
| 7            | Computer Science Engg. | 2109362 (022) | Object-Oriented Programming using C++ (Lab)                   | 0   | 4         | 0         | 2                |
| 8            | Computer Science Engg. | 2109363 (022) | Database Management System (Lab)                              | 0   | 2         | 0         | 1                |
| 9            | Computer Science Engg. | 2109364 (022) | HTML and Cascading Style Sheet (CSS) (Lab)                    | 0   | 4         | 0         | 2                |
| 10           | Humanities             | 2109365 (046) | NSS/ Sports/ Yoga/ Technical Presentation/ Library Activities | As per CSVTU minutes 09 hours are allocated to mentioned activities |           |           |                  |
| <b>Total</b> |                        |               |   | <b>12</b>   | <b>14</b> | <b>01</b> | <b>20</b>        |

L - Lecture,

T - Tutorial,

P - Practical

Lecture (L) → CI Classroom Instruction (Includes different instructional strategies i.e. Lecture and others.)

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Tutorial (T) → Includes sessional work (SW) (assignment, seminar, mini project etc), self Learning (SL).



# Chhattisgarh Swami Vivekanand Technical University, Bhilai

## Diploma in Artificial Intelligence and Machine Learning

### Semester-III

Scheme of Examination:

Session-2021

| S. No.       | Board of Study         | Course Code   | Course Titles                               | Scheme of Examination |            |            |            |            |             |
|--------------|------------------------|---------------|---|-----------------------|------------|------------|------------|------------|-------------|
|              |                        |               |   | Theory                |            |            | Practical  |            | Total Marks |
|              |                        |               |   | ESE                   | CT         | TA         | ESE        | TA         |             |
| 1            | Computer Science Engg. | 2109371 (022) | Operating Systems with Linux                | 70                    | 30         | 30         | 0          | 0          | 130         |
| 2            | Computer Science Engg. | 2109372 (022) | Basics of Big Data                          | 70                    | 30         | 30         | 0          | 0          | 130         |
| 3            | Computer Science Engg. | 2109373 (022) | Object-Oriented Programming using C++       | 70                    | 30         | 30         | 0          | 0          | 130         |
| 4            | Computer Science Engg. | 2109374 (022) | Database Management System                  | 70                    | 30         | 30         | 0          | 0          | 130         |
| 5            | Computer Science Engg. | 2109375 (022) | HTML and Cascading Style Sheet (CSS)        | 70                    | 30         | 30         | 0          | 0          | 130         |
| 6            | Computer Science Engg. | 2109361 (022) | Operating Systems with Linux (Lab)          | 0                     | 0          | 0          | 30         | 50         | 80          |
| 7            | Computer Science Engg. | 2109362 (022) | Object-Oriented Programming using C++ (Lab) | 0                     | 0          | 0          | 30         | 50         | 80          |
| 8            | Computer Science Engg. | 2109363 (022) | Database Management System (Lab)            | 0                     | 0          | 0          | 30         | 50         | 80          |
| 9            | Computer Science Engg. | 2109364 (022) | HTML and Cascading Style Sheet (CSS) (Lab)  | 0                     | 0          | 0          | 30         | 50         | 80          |
| 10           | Humanities             | 2109365 (046) | Technical Presentation                      | 0                     | 0          | 0          | 0          | 30         | 30          |
| <b>Total</b> |                        |               |   | <b>350</b>            | <b>150</b> | <b>150</b> | <b>120</b> | <b>230</b> | <b>1000</b> |

**ESE:** End of Semester Exam,

**CT:** Class Test,

**TA:** Teachers Assessment



# Chhattisgarh Swami Vivekanand Technical University, Bhilai

## Diploma in Artificial Intelligence and Machine Learning

### Semester-IV

Scheme of Studies:

Session-2021

| S. No.       | Board of Study         | Course Code   | Course Titles  | Scheme of Studies (Hours/Week)                                      |           |           |                  |
|--------------|------------------------|---------------|--|---|-----------|-----------|------------------|
|              |                        |               |  | L   | P         | T         | Credit L+T+(P/2) |
| 1            | Computer Science Engg. | 2109471 (022) | Introduction to Artificial Intelligence                    | 3   | 0         | 0         | 3                |
| 2            | Computer Science Engg. | 2109472 (022) | Basics of Data Structure                                   | 2   | 0         | 0         | 2                |
| 3            | Computer Science Engg. | 2109473 (022) | Computer Organization & Microprocessor                     | 2   | 0         | 0         | 2                |
| 4            | Computer Science Engg. | 2109474 (022) | Scripting Language (Java)                                  | 2   | 0         | 1         | 3                |
| 5            | Computer Science Engg. | 2109475 (022) | Basics of Data Science                                     | 2   | 0         | 1         | 3                |
| 6            | Computer Science Engg. | 2109461 (022) | Introduction to Artificial Intelligence (Lab)              | 0   | 4         | 0         | 2                |
| 7            | Computer Science Engg. | 2109462 (022) | Basics of Data Structure (Lab)                             | 0   | 4         | 0         | 2                |
| 8            | Computer Science Engg. | 2109463 (022) | Computer Organization & Microprocessor (Lab)               | 0   | 4         | 0         | 2                |
| 9            | Computer Science Engg. | 2109464 (022) | Scripting Language (Java) (Lab)                            | 0   | 2         | 0         | 1                |
| 10           | Humanities             | 2109465 (046) | NSS/Sports/Yoga/Technical Presentation/ Library Activities | As per CSVTU minutes 09 hours are allocated to mentioned activities |           |           |                  |
| <b>Total</b> |                        |               |  | <b>11</b>   | <b>14</b> | <b>02</b> | <b>20</b>        |

L - Lecture,

T - Tutorial,

P - Practical

Lecture (L) → CI Classroom Instruction (Includes different instructional strategies i.e. Lecture and others.)

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Tutorial (T) → Includes sessional work (SW) (assignment, seminar, mini project etc), self Learning (SL).



# Chhattisgarh Swami Vivekanand Technical University, Bhilai

## Diploma in Artificial Intelligence and Machine Learning

### Semester-IV

Scheme of Examination:

Session-2021

| S. No.       | Board of Study         | Course Code   | Course Titles                                 | Scheme of Examination |            |            |            |            |             |
|--------------|------------------------|---------------|---|-----------------------|------------|------------|------------|------------|-------------|
|              |                        |               |   | Theory                |            |            | Practical  |            | Total Marks |
|              |                        |               |   | ESE                   | CT         | TA         | ESE        | TA         |             |
| 1            | Computer Science Engg. | 2109471 (022) | Introduction to Artificial Intelligence       | 70                    | 30         | 30         | 0          | 0          | 130         |
| 2            | Computer Science Engg. | 2109472 (022) | Basics of Data Structure                      | 70                    | 30         | 30         | 0          | 0          | 130         |
| 3            | Computer Science Engg. | 2109473 (022) | Computer Organization & Microprocessor        | 70                    | 30         | 30         | 0          | 0          | 130         |
| 4            | Computer Science Engg. | 2109474 (022) | Scripting Language (Java)                     | 70                    | 30         | 30         | 0          | 0          | 130         |
| 5            | Computer Science Engg. | 2109475 (022) | Basics of Data Science                        | 70                    | 30         | 30         | 0          | 0          | 130         |
| 6            | Computer Science Engg. | 2109461 (022) | Introduction to Artificial Intelligence (Lab) | 0                     | 0          | 0          | 30         | 50         | 80          |
| 7            | Computer Science Engg. | 2109462 (022) | Basics of Data Structure (Lab)                | 0                     | 0          | 0          | 30         | 50         | 80          |
| 8            | Computer Science Engg. | 2109463 (022) | Computer Organization & Microprocessor (Lab)  | 0                     | 0          | 0          | 30         | 50         | 80          |
| 9            | Computer Science Engg. | 2109464 (022) | Scripting Language (Java) (Lab)               | 0                     | 0          | 0          | 30         | 50         | 80          |
| 10           | Humanities             | 2109465 (046) | Technical Presentation                        | 0                     | 0          | 0          | 0          | 30         | 30          |
| <b>Total</b> |                        |               |   | <b>350</b>            | <b>150</b> | <b>150</b> | <b>120</b> | <b>230</b> | <b>1000</b> |

**ESE:** End of Semester Exam,

**CT:** Class Test,

**TA:** Teachers Assessment





# Chhattisgarh Swami Vivekanand Technical University, Bhilai

## Diploma in Artificial Intelligence and Machine Learning

### Semester-V

Scheme of Studies:

Session-2021

| S. No.       | Board of Study         | Course Code   | Course Titles   | Scheme of Studies (Hours/Week)                                      |           |           |                  |
|--------------|------------------------|---------------|---|---|-----------|-----------|------------------|
|              |                        |               |   | L   | P         | T         | Credit L+T+(P/2) |
| 1            | Computer Science Engg. | 2109571 (022) | Python Programming  | 2   | 0         | 1         | 3                |
| 2            | Computer Science Engg. | 2109572 (022) | Cyber Security and Software Piracy                                | 2   | 0         | 1         | 3                |
| 3            | Computer Science Engg. | 2109573 (022) | Web Development Using PHP   | 2   | 0         | 1         | 3                |
| 4            | Computer Science Engg. | 2109574 (022) | Basics of Data Mining with Machine Learning                       | 2   | 0         | 1         | 3                |
| 5            | Computer Science Engg. | 2109575 (022) | Software Engineering  | 2   | 0         | 1         | 3                |
| 6            | Computer Science Engg. | 2109561 (022) | Python Programming (Lab)  | 0   | 2         | 0         | 1                |
| 7            | Computer Science Engg. | 2109562 (022) | Cyber Security and Software Piracy (Lab)                          | 0   | 2         | 0         | 1                |
| 8            | Computer Science Engg. | 2109563 (022) | Web Development Using PHP (Lab)                                   | 0   | 4         | 0         | 2                |
| 9            | Computer Science Engg. | 2109564 (022) | Industrial Training/Seminar*                                      | 0   | 2         | 0         | 1                |
| 10           | Humanities             | 2109565 (046) | NSS / Sports / Yoga / Technical Presentation / Library Activities | As per CSVTU minutes 11 hours are allocated to mentioned activities |           |           |                  |
| <b>Total</b> |                        |               |   | <b>10</b>   | <b>10</b> | <b>05</b> | <b>20</b>        |

L - Lecture,

T - Tutorial,

P - Practical

Lecture (L) → CI Classroom Instruction (Includes different instructional strategies i.e. Lecture and others.)

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Tutorial (T) → Includes sessional work (SW) (assignment, seminar, mini project etc), self Learning (SL).



# Chhattisgarh Swami Vivekanand Technical University, Bhilai

## Diploma in Artificial Intelligence and Machine Learning

### Semester-V

Scheme of Examination:

Session-2021

| S. No.       | Board of Study         | Course Code   | Course Titles   | Scheme of Examination |            |            |            |            |             |
|--------------|------------------------|---------------|---|-----------------------|------------|------------|------------|------------|-------------|
|              |                        |               |   | Theory                |            |            | Practical  |            | Total Marks |
|              |                        |               |   | ESE                   | CT         | TA         | ESE        | TA         |             |
| 1            | Computer Science Engg. | 2109571 (022) | Python Programming  | 70                    | 30         | 30         | 0          | 0          | 130         |
| 2            | Computer Science Engg. | 2109572 (022) | Cyber Security and Software Piracy                                | 70                    | 30         | 30         | 0          | 0          | 130         |
| 3            | Computer Science Engg. | 2109573 (022) | Web Development Using PHP   | 70                    | 30         | 30         | 0          | 0          | 130         |
| 4            | Computer Science Engg. | 2109574 (022) | Basics of Data Mining with Machine Learning                       | 70                    | 30         | 30         | 0          | 0          | 130         |
| 5            | Computer Science Engg. | 2109575 (022) | Software Engineering  | 70                    | 30         | 30         | 0          | 0          | 130         |
| 6            | Computer Science Engg. | 2109561 (022) | Python Programming (Lab)  | 0                     | 0          | 0          | 30         | 50         | 80          |
| 7            | Computer Science Engg. | 2109562 (022) | Cyber Security and Software Piracy (Lab)                          | 0                     | 0          | 0          | 30         | 50         | 80          |
| 8            | Computer Science Engg. | 2109563 (022) | Web Development Using PHP (Lab)                                   | 0                     | 0          | 0          | 30         | 50         | 80          |
| 9            | Computer Science Engg. | 2109564 (022) | Industrial Training/Seminar*                                      | 0                     | 0          | 0          | 30         | 50         | 80          |
| 10           | Humanities             | 2109565 (046) | NSS / Sports / Yoga / Technical Presentation / Library Activities | 0                     | 0          | 0          | 0          | 30         | 30          |
| <b>Total</b> |                        |               |   | <b>350</b>            | <b>150</b> | <b>150</b> | <b>120</b> | <b>230</b> | <b>1000</b> |

**ESE:** End of Semester Exam,

**CT:** Class Test,

**TA:** Teachers Assessment



# Chhattisgarh Swami Vivekanand Technical University, Bhilai

## Diploma in Artificial Intelligence and Machine Learning

### Semester-VI

Scheme of Studies:

Session-2021

| S. No.       | Board of Study         | Course Code   | Course Titles   | Scheme of Studies (Hours/Week)                                      |           |           |                  |
|--------------|------------------------|---------------|---|---|-----------|-----------|------------------|
|              |                        |               |   | L   | P         | T         | Credit L+T+(P/2) |
| 1            | Computer Science Engg. | 2109671 (022) | Multimedia Technology   | 3   | 0         | 1         | 4                |
| 2            | Computer Science Engg. | 2109672 (022) | Cloud Computing   | 2   | 0         | 1         | 3                |
| 3            | Computer Science Engg. | 2109673 (022) | Java Programming  | 2   | 0         | 1         | 3                |
| 4            | Computer Science Engg. | 2109674 (022) | Computer Troubleshooting and Maintenance                          | 2   | 0         | 1         | 3                |
| 5            | Computer Science Engg. | 2109661 (022) | Multimedia Technology (Lab)                                       | 0   | 2         | 0         | 1                |
| 6            | Computer Science Engg. | 2109662 (022) | Cloud computing (Lab)   | 0   | 2         | 0         | 1                |
| 7            | Computer Science Engg. | 2109663 (022) | Java Programming (Lab)  | 0   | 4         | 0         | 2                |
| 8            | Computer Science Engg. | 2109664 (022) | Computer Troubleshooting and Maintenance (Lab)                    | 0   | 2         | 0         | 1                |
| 9            | Computer Science Engg. | 2109665 (022) | Major Project   | 0   | 4         | 0         | 2                |
| 10           | Humanities             | 2109666 (046) | NSS / Sports / Yoga / Technical Presentation / Library Activities | As per CSVTU minutes 09 hours are allocated to mentioned activities |           |           |                  |
| <b>Total</b> |                        |               |   | <b>09</b>   | <b>14</b> | <b>04</b> | <b>20</b>        |

L - Lecture,

T - Tutorial,

P - Practical

Lecture (L) → CI Classroom Instruction (Includes different instructional strategies i.e. Lecture and others).

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Tutorial (T) → Includes sessional work (SW) (assignment, seminar, mini project etc), self Learning (SL).



# Chhattisgarh Swami Vivekanand Technical University, Bhilai

## Diploma in Artificial Intelligence and Machine Learning

### Semester-VI

Scheme of Examination:

Session-2021

| S. No.       | Board of Study         | Course Code   | Course Titles   | Scheme of Examination |            |            |            |            |             |
|--------------|------------------------|---------------|---|-----------------------|------------|------------|------------|------------|-------------|
|              |                        |               |   | Theory                |            |            | Practical  |            | Total Marks |
|              |                        |               |   | ESE                   | CT         | TA         | ESE        | TA         |             |
| 1            | Computer Science Engg. | 2109671 (022) | Multimedia Technology   | 70                    | 30         | 30         | 0          | 0          | 130         |
| 2            | Computer Science Engg. | 2109672 (022) | Cloud Computing   | 70                    | 30         | 30         | 0          | 0          | 130         |
| 3            | Computer Science Engg. | 2109673 (022) | Java Programming  | 70                    | 30         | 30         | 0          | 0          | 130         |
| 4            | Computer Science Engg. | 2109674 (022) | Computer Troubleshooting and Maintenance                          | 70                    | 30         | 30         | 0          | 0          | 130         |
| 5            | Computer Science Engg. | 2109661 (022) | Multimedia Technology (Lab)                                       | 0                     | 0          | 0          | 30         | 50         | 80          |
| 6            | Computer Science Engg. | 2109662 (022) | Cloud computing (Lab)   | 0                     | 0          | 0          | 30         | 50         | 80          |
| 7            | Computer Science Engg. | 2109663 (022) | Java Programming (Lab)  | 0                     | 0          | 0          | 30         | 50         | 80          |
| 8            | Computer Science Engg. | 2109664 (022) | Computer Troubleshooting and Maintenance (Lab)                    | 0                     | 0          | 0          | 30         | 50         | 80          |
| 9            | Computer Science Engg. | 2109665 (022) | Major Project   | 0                     | 0          | 0          | 80         | 50         | 130         |
| 10           | Humanities             | 2109666 (046) | NSS / Sports / Yoga / Technical Presentation / Library Activities | 0                     | 0          | 0          | 0          | 30         | 30          |
| <b>Total</b> |                        |               |   | <b>280</b>            | <b>120</b> | <b>120</b> | <b>200</b> | <b>280</b> | <b>1000</b> |

**ESE:** End of Semester Exam,

**CT:** Class Test,

**TA:** Teachers Assessment