



Integral University
Study & Evaluation Scheme

B.Tech. CSE (Cloud Computing and Artificial Intelligence) in association with IBM
w.e.f. 2023-2024

Year IV, Semester VII

| S. No. | Course Category | Subject Code | Name of Subject | Periods | | | | Evaluation Scheme | | | Subject Total | Attributes | | | | | | United Nations Sustainable Development | | |
|--|-----------------|----------------------------------|-----------------------------------|-----------|----------|----------|-----------|-------------------|------------|------------|---------------|----------------------|---------------|------------------|-------------------|-----------------|------------------------------|--|---------------------|--------------|
| | | | | L | T | P | C | CT | TA | Total | | End Sem. Exam. (ESE) | Employability | Entrepreneurship | Skill Development | Gender Equality | Environment & Sustainability | Human Value | Professional Ethics | Goals (SDGs) |
| | | | | | | | | | | | | | | | | | | | | |
| 1 | DC | CS486 | Cloud Security | 3 | 1 | 0 | 4 | 40 | 20 | 60 | 40 | 100 | √ | | √ | | | | | 4,9 |
| 2 | DC | CS410 | Distributed System | 3 | 1 | 0 | 4 | 40 | 20 | 60 | 40 | 100 | | | √ | | | | | 4 |
| 3 | DC | CS412 | Cryptography and Network Security | 3 | 1 | 0 | 4 | 40 | 20 | 60 | 40 | 100 | √ | √ | √ | | | | | 4,9 |
| 4 | DE | | Departmental Elective-5* | 3 | 1 | 0 | 4 | 40 | 20 | 60 | 40 | 100 | | | | | | | | |
| 5 | DE | | Departmental Elective-6* | 3 | 1 | 0 | 4 | 40 | 20 | 60 | 40 | 100 | | | | | | | | |
| 6 | DC | CS424 | SciLab | 0 | 0 | 2 | 1 | 30 | 30 | 60 | 40 | 100 | √ | | √ | | | | | 4,9 |
| 8 | DC | CS421 | Minor Project | 0 | 0 | 2 | 1 | 30 | 30 | 60 | 40 | 100 | √ | | √ | | | | | 4,9 |
| 9 | DC | CS-300 | Industrial Training | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 100 | √ | | √ | | | | | 4,9 |
| Total | | | | 15 | 5 | 4 | 22 | 260 | 160 | 420 | 280 | 800 | | | | | | | | |
| Departmental Elective-5* | CS417 | Mobile Computing | | | | | | | | | | | | | √ | | | | | 4 |
| | CS415 | Fuzzy Logic & Neural Networks | | | | | | | | | | | | | √ | | | | | 4 |
| Departmental Elective-6* | CS418 | Data Warehousing and Data Mining | | | | | | | | | | | | | √ | | | | | 4,11,12 |
| | CS419 | Pattern Recognition | | | | | | | | | | | | | √ | | | | | 4 |
| <p>L - Lecture T - Tutorial P - Practical C - Credits CT - Class Test TA - Teacher Assessment</p> <p align="center">Sessional Total (CA) = Class Test (CT) + Teacher Assessment (TA) Subject Total (CA) = Sessional Total (CA) + End Semester Examination (ESE)</p> <p align="center">BS - Basic Sciences DC - Departmental Core HM - Humanities OE - Open Elective</p> <p align="center">DE - Departmental Elective ESA - Engineering Sciences & Arts (Foundation Course & Engineering Course)</p> | | | | | | | | | | | | | | | | | | | | |



Integral University
Study & Evaluation Scheme
B.Tech. CSE (Cloud Computing and Artificial Intelligence) in association with IBM
w.e.f. 2023-2024

Year IV, Semester VIII

| S. No. | Course Category | Subject Code | Name of Subject | Periods | | | | Evaluation Scheme | | | | Subject Total | Attributes | | | | | | | United Nations Sustainable Development |
|--------------|-----------------|--------------|--------------------|----------|----------|----------|-----------|-------------------|------------|------------|----------------------|---------------|---------------|------------------|-------------------|-----------------|------------------------------|-------------|---------------------|--|
| | | | | | | | | Sessional (CA) | | | End Sem. Exam. (ESE) | | Employability | Entrepreneurship | Skill Development | Gender Equality | Environment & Sustainability | Human Value | Professional Ethics | |
| | | | | L | T | P | C | CT | TA | Total | | | | | | | | | | |
| 1 | DC | CS451 | Seminar | 0 | 0 | 0 | 2 | 0 | 100 | 100 | 0 | 100 | √ | | √ | | | | | 4 |
| 2 | DC | CS499 | B. Tech. Project | 0 | 0 | 0 | 4 | 0 | 60 | 60 | 40 | 100 | √ | √ | √ | | | | | 4,9 |
| 3 | DC | CS499 | B. Tech. Project | 0 | 0 | 0 | 4 | 0 | 60 | 60 | 40 | 100 | √ | √ | √ | | | | | 4,9 |
| 4 | DC | CS499 | B. Tech. Project | 0 | 0 | 0 | 4 | 0 | 60 | 60 | 40 | 100 | √ | √ | √ | | | | | 4,9 |
| 5 | DC | CS452 | Comprehensive Viva | 0 | 0 | 0 | 1 | 0 | 100 | 100 | 0 | 100 | √ | | √ | | | | | 4 |
| 6 | OE | | Open Elective-2** | 3 | 1 | 0 | 4 | 40 | 20 | 60 | 40 | 100 | | | | | | | | |
| Total | | | | 3 | 1 | 0 | 19 | 40 | 400 | 440 | 160 | 600 | | | | | | | | |

L - Lecture T - Tutorial P - Practical C - Credits CT - Class Test TA - Teacher Assessment

Sessional Total (CA) = Class Test (CT) + Teacher Assessment (TA)

Subject Total (CA) = Sessional Total (CA) + End Semester Examination (ESE)

BS - Basic Sciences DC - Departmental Core

HM - Humanities OE - Open Elective

DE - Departmental Elective ESA - Engineering Sciences & Arts (Foundation Course & Engineering Course)

Total credits of BTech (CCAI) | 200