

**J.J. College of Arts and Science (Autonomous)**

**Proposed Course Structure based on TANSCH and UGC - LOCF**

**(Choice Based Credit System)**

**(Applicable for the Candidates admitted from the academic year 2026-2027 Onwards)**

**B.Sc. Information Technology**

| Sl. No       | Course Category | Course Code                 | Course                                      | Credits | Hours/ Week | Marks |     |       |
|--------------|-----------------|-----------------------------|---------------------------------------------|---------|-------------|-------|-----|-------|
|              |                 |                             |                                             |         |             | CIA   | ESE | Total |
| Semester I   |                 |                             |                                             |         |             |       |     |       |
| 1            | Part - I        | U1R4TL1                     | Tamil                                       | 3       | 6           | 30    | 70  | 100   |
| 2            | Part - II       | U1R4EL1                     | English                                     | 3       | 6           | 30    | 70  | 100   |
| 3            | Part - III      | U1R4ITCC1                   | Programming in C++                          | 5       | 5           | 30    | 70  | 100   |
| 4            |                 | U1R4ITCC2P                  | Programming in C++ Practical                | 5       | 5           | 40    | 60  | 100   |
| 5            |                 | U1R4ITAC1                   | Web Design                                  | 3       | 3           | 30    | 70  | 100   |
| 6            |                 | U1R4ITAC2P                  | Web Design Practical                        | 3       | 3           | 40    | 60  | 100   |
| 7            | Part - IV       | U1R4**GEC1                  | To be opted from other Department           | 2       | 2           | 30    | 70  | 100   |
| Total        |                 |                             |                                             | 24      | 30          | -     | -   | 700   |
| Semester II  |                 |                             |                                             |         |             |       |     |       |
| 1            | Part - I        | U2R4TL2                     | Tamil                                       | 3       | 6           | 30    | 70  | 100   |
| 2            | Part - II       | U2R4EL2                     | English                                     | 3       | 6           | 30    | 70  | 100   |
| 3            | Part - III      | U2R4ITCC3                   | Programming in Python                       | 5       | 5           | 30    | 70  | 100   |
| 4            |                 | U2R4ITCC4P                  | Programming in Python Practical             | 5       | 5           | 40    | 60  | 100   |
| 5            |                 | U2R4ITAC3                   | Digital Electronics                         | 3       | 3           | 30    | 70  | 100   |
| 6            |                 | U2R4ITAC4P                  | Digital Documentation Preparation Practical | 3       | 3           | 40    | 60  | 100   |
| 7            | Part - IV       | U2R4**GEC2                  | To be opted from other Department           | 2       | 2           | 30    | 70  | 100   |
| Total        |                 |                             |                                             | 24      | 30          | -     | -   | 700   |
| Semester III |                 |                             |                                             |         |             |       |     |       |
| 1            | Part - I        | U3R4TL3                     | Tamil                                       | 3       | 5           | 30    | 70  | 100   |
| 2            | Part - II       | U3R4EL3                     | English                                     | 3       | 5           | 30    | 70  | 100   |
| 3            | Part - III      | U3R4ITCC5                   | Programming in JAVA                         | 5       | 5           | 30    | 70  | 100   |
| 4            |                 | U3R4ITCC6P                  | Programming in JAVA practical               | 5       | 5           | 40    | 60  | 100   |
| 5            |                 | U3R4ITAC5                   | Data Structures                             | 3       | 4           | 30    | 70  | 100   |
| 6            | Part - IV       | U3R4ITSEC1:1 / U3R4ITSEC1:2 | Visual Programming / C# Programming         | 2       | 2           | 30    | 70  | 100   |
| 7            |                 | U3R4VE                      | Value Education                             | 2       | 2           | 30    | 70  | 100   |
| 8            | Part - V        | U3R4HW                      | Health and Wellness                         | 1       | 2           | -     | -   | 100   |
| Total        |                 |                             |                                             | 24      | 30          | -     | -   | 800   |

| Semester IV |            |                              |                                                                                               |     |    |    |    |      |
|-------------|------------|------------------------------|-----------------------------------------------------------------------------------------------|-----|----|----|----|------|
| 1           | Part - I   | U4R4TL4                      | Tamil                                                                                         | 3   | 5  | 30 | 70 | 100  |
| 2           | Part - II  | U4R4EL4                      | English                                                                                       | 3   | 5  | 30 | 70 | 100  |
| 3           | Part - III | U4R4ITCC7                    | Database Management Systems                                                                   | 5   | 6  | 30 | 70 | 100  |
| 4           |            | U4R4ITCC8P                   | Database Management Systems Practical                                                         | 5   | 5  | 40 | 60 | 100  |
| 5           |            | U4R4ITAC6                    | Microprocessors                                                                               | 3   | 5  | 30 | 70 | 100  |
| 6           | Part - IV  | U4R4ITSEC2:1 / U4R4ITSEC 2:2 | ASP Programming/ Ruby Programming                                                             | 2   | 2  | 30 | 70 | 100  |
| 7           |            | U4R4ITSLC1:1/ U4R4ITSLC1:2   | Online Course (SWAYAM/ SWAYAM Plus/ NPTEL/ COURSEERA) / Computer Hardware and Troubleshooting | 2   | -  | -  | -  | 100  |
| 8           |            | U4R4ES                       | Environmental Studies                                                                         | 2   | 2  | 30 | 70 | 100  |
| Total       |            |                              |                                                                                               | 25  | 30 | -  | -  | 800  |
| Semester V  |            |                              |                                                                                               |     |    |    |    |      |
| 1           | Part - III | U5R4ITCC9                    | Computer Networks                                                                             | 5   | 5  | 30 | 70 | 100  |
| 2           |            | U5R4ITCC10                   | Operating Systems                                                                             | 4   | 5  | 30 | 70 | 100  |
| 3           |            | U5R4ITCC11                   | Programming in PHP                                                                            | 4   | 5  | 30 | 70 | 100  |
| 4           |            | U5R4ITCC12P                  | Programming in PHP Practical                                                                  | 4   | 5  | 40 | 60 | 100  |
| 5           |            | U5R4ITDSE1:1 / U5R4ITDSE 1:2 | Data Mining / Digital Image Processing                                                        | 3   | 5  | 30 | 70 | 100  |
| 6           | Part - IV  | U5R4ITINT                    | Internship                                                                                    | 2   | -  | -  | -  | 100  |
| 7           |            | U5R4ITSEC3:1 / U5R4ITSEC 3:2 | Quantitative Aptitude / Soft Skills                                                           | 2   | 3  | 30 | 70 | 100  |
| 8           |            | U5R4ITSLC2:1 / U5R4ITSLC 2:2 | Computer Graphics / AI Tools                                                                  | 2   | -  | 50 | 50 | 100  |
| 9           |            | U5R4IDM                      | Introduction to Disaster Management                                                           | 2   | 2  | 30 | 70 | 100  |
| Total       |            |                              |                                                                                               | 28  | 30 | -  | -  | 900  |
| Semester VI |            |                              |                                                                                               |     |    |    |    |      |
| 1           | Part - III | U6R4ITCC13                   | Dot Net Programming                                                                           | 4   | 5  | 30 | 70 | 100  |
| 2           |            | U6R4ITCC14P                  | Dot Net Programming Practical                                                                 | 4   | 5  | 40 | 60 | 100  |
| 3           |            | U6R4ITCC15PW                 | Project Work                                                                                  | 4   | 6  | -  | -  | 100  |
| 4           |            | U6R4ITDSE2:1 / U6R4ITDSE 2:2 | Software Engineering / Introduction to Data Science                                           | 3   | 5  | 30 | 70 | 100  |
| 5           |            | U6R4ITDSE3:1 / U6R4ITDSE 3:2 | Internet of Things / Cloud Computing                                                          | 3   | 5  | 30 | 70 | 100  |
| 6           | Part - IV  | U6R4ITVAC                    | Web User Interface                                                                            | 2   | 2  | -  | -  | 100  |
| 7           |            | U6R4GS                       | Gender Studies                                                                                | 2   | 2  | 30 | 70 | 100  |
|             | Part - V   | Extension Activity           |                                                                                               | 1   | -  | -  | -  | -    |
| Total       |            |                              |                                                                                               | 23  | 30 | -  | -  | 700  |
| Grand Total |            |                              |                                                                                               | 148 |    |    |    | 4600 |

\* Internship during Semester – IV Summer Vacation. The Credits shall be awarded in Semester-V

Statement of Marks.

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