## Semester wise course plan

| Part of the part                         | Semester wise course plan          |             |  |                         |        |   |        |    |       |  |
|--|------------------------------------|-------------|--|-------------------------|--------|---|--------|----|-------|--|
| th         Contraction         Contract Two Contracts         L         T         T         T         T         T         Contracts         Contracts         L         L         T         T         T         L         L         S         10         10         10         10         2  | SEMESTER - 1                       |             |  |                         |        |   |        |    |       |  |
|  | #                                  | Course Code | Course Title   | Course Type             | Credit |   |        |    |       |  |
| 2 SI EAS AL MIRAGE AL M                                |                                    |             |  |                         | L      | т | PS     | sw | Units |  |
| 1  | 1                                  | CSE645      | Advance Data Structure                                   | Core Course             | 2      | 0 | 4      | 2  | 5     |  |
| 1  | 2                                  | CSE 648     | Principles of Machine Learning                           | Core Course             | 2      | 0 | 2      | 4  | 5     |  |
| S       Image: 10 minuse of the control   | 3                                  | IT602       | Advanced Data Communication and Computer Networks        | Core Courses            | 2      | 0 | 2      | 4  | 5     |  |
| δ       VAC       Control       Control       VAC       10 </td <td>4</td> <td>FSIC618</td> <td>Web and Mobile Applications</td> <td>Core Course</td> <td>2</td> <td>0</td> <td>0</td> <td>2</td> <td>3</td>   | 4                                  | FSIC618     | Web and Mobile Applications                              | Core Course             | 2      | 0 | 0      | 2  | 3     |  |
| 7 (1)       Week (1)       File (1)       1 (1)       1 (2)       2 (2)  | 5                                  | IT601       | Advance DBMS   | Core Course             | 2      | 0 | 4      | 2  | 5     |  |
| Telephone (a) Properties (a) Properties (b) Properties (b) Properties (c) Properties (b) Properties (c) P                                   | 6                                  | VAC         | Communication Skills                                     | VAC                     | 2      | 0 | 0      | 2  | 3     |  |
| Technology         Technolog  | 7                                  | VAC         | FBL  | VAC                     | 2      | 0 | 0      | 0  | 2     |  |
| Procession                                 | Total credit 28                    |             |  |                         |        |   |        |    |       |  |
| the color of the co                        | SEMESTER - 2                       |             |  |                         |        |   |        |    |       |  |
| No   Part      | #                                  | Course Code | Course Title   | Course Type             |        |   | Credit |    |       |  |
| 2         Contract         Research Methodology         Contract         2         0         0         2         1         2         1         2         1         2         1         2         1         2         1         2         1         2         1         2         1         2         1         2         1         2         1         2         1         2         1         2         1         2         1         2         1         2         1         2         1         2   |                                    |             |  |                         | L      | т | PS     | sw | Units |  |
| No.   Case   Companies   Co  | 1                                  | CSIT606     | Introduction to Data Analytics                           | Core Course             | 2      | 0 | 2      | 4  | 5     |  |
| 4         CST7272         Internet of Things / IDE         Core Courses         2         0 <td>2</td> <td>CSIT745</td> <td>Research Methodology</td> <td>Core Course</td> <td>2</td> <td>0</td> <td>0</td> <td>2</td> <td>3</td>  | 2                                  | CSIT745     | Research Methodology                                     | Core Course             | 2      | 0 | 0      | 2  | 3     |  |
| 5 N TCC         Tem paper         NTCC         NTCC         0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0  | 3                                  | CSE733      | IT Security Compliance and Forensics                     | Core Courses            | 2      | 0 | 2      | 4  | 5     |  |
| 6 besided to the section of the se                               | 4                                  | CSIT727     | Internet of Things / IOE                                 | Core Courses            | 2      | 0 | 0      | 2  | 3     |  |
| No.   SE764   We hiteligence and Big Data Analytic   Secialization Elective   2   10   2   3   3   4   5   5   5   5   5   5   5   5   5   | 5                                  | NTCC        | Term paper   | NTCC                    | 0      | 0 | 0      | 0  | 2     |  |
| 8       If 562       Advance Computer and Communication Networks       Specialization Elective       2       0       2       0       2       0       2       0       0       2       0       0       0       2       0       0       0       0       2       0        0       0       0       0       0       0       0       0       0       0       0       0       0       0       0        0       0       0       0       0       0       0       0       0       0       0       0       0       0       0         0 </td <td>6</td> <td>CSE602</td> <td>Data Warehousing and Data Mining</td> <td>Specialization Elective</td> <td>2</td> <td>0</td> <td>2</td> <td>4</td> <td>5</td>   | 6                                  | CSE602      | Data Warehousing and Data Mining                         | Specialization Elective | 2      | 0 | 2      | 4  | 5     |  |
| 9 SIT640       Introduction to Cyber Security       Specialization Elective       2 John 10 John 1   | 7                                  | CSE764      | Web Intelligence and Big Data Analytic                   | Specialization Elective | 2      | 0 | 2      | 4  | 5     |  |
| 1  | 8                                  | IT632       | Advance Computer and Communication Networks              | Specialization Elective | 2      | 0 | 2      | 4  | 5     |  |
| 1  | 9                                  | CSIT640     | Introduction to Cyber Security                           | Specialization Elective | 2      | 0 | 0      | 0  | 2     |  |
| Fig.    | 10                                 | IT722       | Ethical Hacking  | Specialization Elective | 2      | 0 | 0      | 4  | 4     |  |
| Total between the color betwee                                   | 11                                 | VAC         | Behavioural Science                                      |                         | 3      | 0 | 0      | 0  | 3     |  |
| SEMESTER - 3         #       Pourse Code       Course Title       Course Type       Lore T   | 12                                 | FBL         |  |                         | 0      | 1 | 0      | 0  | 2     |  |
| # Parameter Procurse Course Title     Course Title     Course Title     Course Type     Course Type     Image: Course Type     Course Type <th< td=""><td colspan="10">Total credit 28</td></th<>  | Total credit 28                    |             |  |                         |        |   |        |    |       |  |
| #Course Code<br>Course TitleCourse TitleCourse TypeCourse TypeC  | SEMESTER - 3                       |             |  |                         |        |   |        |    |       |  |
| Nome       Look       Look       SW       SW       Units         1       CSIT805       Cloud Infrastructure and services       Core Course       2       0       0       2       3         2       CSIT813       Open Source Technologies       Core Course       2       0       0       2       3         3       CSE744       Data Visualization       Specialization Elective       2       0       0       4       4         4       IT621       Information Retrieval System       Specialization Elective       2       0       0       4       4         5       CSE712       Data Progression & Technique       Specialization Elective       2       0       0       4       4         6       CSE763       Text mining and Analytics       Specialization Elective       2       0       0       4       4         7       CSIT654       Network Security and Cryptography       Specialization Elective       2       0       0       0       4       4         8       FSIC708       Machine Learning for Cybersecurity and digital forensics       Specialization Elective       2       0       0       0       0       0       0       0       0       0 <th>#</th> <th>Course Code</th> <th>Course Title</th> <th rowspan="2">Course Type</th> <th colspan="3">Credit</th> <th></th>  | #                                  | Course Code | Course Title   | Course Type             | Credit |   |        |    |       |  |
| Core Course    |                                    |             |  |                         | L      | т | PS     | sw | Units |  |
| Second   S | 1                                  | CSIT805     | Cloud Infrastructure and services                        | Core Course             | 2      | 0 | 0      | 2  | 3     |  |
| 17621   Information Retrieval System   Specialization Elective   2   0   0   0   4   4     5   SEF12   Data Progression & Technique   Specialization Elective   2   0   0   0   4   4     6   SEF63   Text mining and Analytics   Specialization Elective   2   0   0   0   4   4     7   SIT654   Network Security and Cryptography   Specialization Elective   2   0   0   2   2   4     8   FSIC706   Machine Learning for Cybersecurity and digital forensics   Specialization Elective   2   0   0   0   4   4     9   FSIC708   Malware Analysis and reverse Engineering   Specialization Elective   2   0   0   0   0   4     10   FSIC630   Advanced Digital Mobile Forensic and Cyber Security   Specialization Elective   2   0   0   0   0   5    10   VAC   FBL   Total Member of credits (Review)   | 2                                  | CSIT813     | Open Source Technologies                                 | Core Course             | 2      | 0 | 0      | 2  | 3     |  |
| Second   S | 3                                  | CSE744      | Data Visualization                                       | Specialization Elective | 2      | 0 | 0      | 4  | 4     |  |
| Second   S | 4                                  | IT621       | Information Retrieval System                             | Specialization Elective | 2      | 0 | 0      | 4  | 4     |  |
| 7         CSIT654         Network Security and Cryptography         Specialization Elective         2         0         2         2         4           8         FSIC706         Machine Learning for Cybersecurity and digital forensics         Specialization Elective         2         0         0         4         4           9         FSIC708         Malware Analysis and reverse Engineering         Specialization Elective         2         0         2         2         4           10         FSIC630         Advanced Digital Mobile Forensic and Cyber Security         Specialization Elective         2         0         2         2         4           11         TCC         NTCC         VAC         FBL         VAC         VAC         0         1         0   | 5                                  | CSE712      | Data Progression & Technique                             | Specialization Elective | 2      | 0 | 0      | 4  | 4     |  |
| 8         FSIC706         Machine Learning for Cybersecurity and digital forensics         Specialization Elective         2         0         0         4         4           9         FSIC708         Malware Analysis and reverse Engineering         Specialization Elective         2         0         2         2         4           10         FSIC630         Advanced Digital Mobile Forensic and Cyber Security         Specialization Elective         2         0         2         2         4           11         Image: Control of Control o   | 6                                  | CSE763      | Text mining and Analytics                                | Specialization Elective | 2      | 0 | 0      | 4  | 4     |  |
| Page   FSIC708   Malware Analysis and reverse Engineering   Specialization Elective   2   0   2   2   4     10   FSIC630   Advanced Digital Mobile Forensic and Cyber Security   Specialization Elective   2   0   2   2   4     11   I  | 7                                  | CSIT654     | Network Security and Cryptography                        | Specialization Elective | 2      | 0 | 2      | 2  | 4     |  |
| 10   FSIC630   Advanced Digital Mobile Forensic and Cyber Security   Specialization Elective   2   0   2   2   4     11  | 8                                  | FSIC706     | Machine Learning for Cybersecurity and digital forensics | Specialization Elective | 2      | 0 | 0      | 4  | 4     |  |
| 11   | 9                                  | FSIC708     | Malware Analysis and reverse Engineering                 | Specialization Elective | 2      | 0 | 2      | 2  | 4     |  |
| VAC   FBL   VAC   FBL   VAC   VAC  | 10                                 | FSIC630     | Advanced Digital Mobile Forensic and Cyber Security      | Specialization Elective | 2      | 0 | 2      | 2  | 4     |  |
| Total number of credits (Required)   25  | 11                                 |             | NTCC   |                         | 0      | 0 | 0      | 0  | 5     |  |
| SEMESTER - 4     Course Code   Course Title   Course Type     Course Type     Course Type     Course Type     Course Type     Course Type    | 12                                 | VAC         | FBL  | VAC                     | 0      | 1 | 0      | 2  | 2     |  |
| # Course Code Course Title Course Type Course Type Course Type Credit Units  1 Dissertation NTCC 0 0 0 0 0 19  | Total number of credits (Required) |             |  |                         |        |   |        |    | 25    |  |
| # Course Code  | SEMESTER - 4                       |             |  |                         |        |   |        |    |       |  |
| L         T         PS         SW         Units           1         Dissertation         NTCC         0         0         0         0         0         19   | #                                  | Course Code | Course Title   | Course Type             |        |   | Credit |    |       |  |
|  |                                    |             |  |                         | L      | Т | PS     | sw | Units |  |
| Total number of credits (Required) 100   | 1                                  |             | Dissertation   | NTCC                    | 0      | 0 | 0      | 0  | 19    |  |
|  | Total number of credits (Required) |             |  |                         |        |   |        |    |       |  |