

The following shall be the courses of the studies under CBCS pattern  
**B. Sc. (Computer Science Entire) – II C B C S PATTERN (2019-20)**

| <b>S E M E S T E R – III (Duration – 6 Months)</b> |                                    |                 |       |           |                 |       |           |                    |      |       |          |      |       |       |      |                                 |           |        |
|--|------------------------------------|-----------------|-------|-----------|-----------------|-------|-----------|--------------------|------|-------|----------|------|-------|-------|------|---------------------------------|-----------|--------|
| Sr. No   | Course Title                       | Teaching Scheme |       |           |                 |       |           | Examination scheme |      |       |          |      |       |       |      |                                 |           |        |
|  |                                    |                 |       |           |                 |       |           | Theory             |      |       |          |      |       |       |      |                                 | Practical |        |
|  |                                    | Theory          |       |           | Practical       |       |           | Theory             |      |       | Internal |      |       | Total |      | Total                           |           |        |
|  |                                    | No. of lectures | Hours | Credits   | No. of Lectures | Hours | Credits   | Max.               | Min. | Hours | Max.     | Min. | Hours | Max.  | Min. | Max.                            | Min.      | Hours. |
| 1  | GEC-1300C<br>(Maths)               | 8               | 6.4   | 4         | 8               | 6.4   | 4         | 80                 | 32   | 3     | 20       | 8    | 1     | 100   | 40   | Practical examination is annual |           |        |
| 2  | GEC-1301C<br>(Electronics)         | 8               | 6.4   | 4         | 8               | 6.4   | 4         | 80                 | 32   | 3     | 20       | 8    | 1     | 100   | 40   |                                 |           |        |
| 3  | CC-CS-1304C<br>(Computer Science)  | 8               | 6.4   | 4         | 8               | 6.4   | 4         | 80                 | 32   | 3     | 20       | 8    | 1     | 100   | 40   |                                 |           |        |
| 4  | SEC- BCS C<br>(Web Technology)     | -               | -     | -         | 3               | 2.4   | 2         | -                  | -    | -     | -        | -    | -     | -     | -    |                                 |           |        |
|  | <b>Total</b>                       | 24              | 19.2  | <b>12</b> | 27              | 21.6  | <b>14</b> | 240                |      |       | 60       | -    |       | 300   | -    |                                 |           |        |
| <b>Semester-IV (duration 6 months)</b>             |                                    |                 |       |           |                 |       |           |                    |      |       |          |      |       |       |      |                                 |           |        |
| 1  | GEC-1300D<br>(Maths)               | 8               | 6.4   | 4         | 8               | 6.4   | 4         | 80                 | 32   | 3     | 20       | 8    | 1     | 100   | 40   | 100                             | 40        | 3.2    |
| 2  | GEC-1301D<br>(Electronics)         | 8               | 6.4   | 4         | 8               | 6.4   | 4         | 80                 | 32   | 3     | 20       | 8    | 1     | 100   | 40   | 100                             | 40        | 3.2    |
| 3  | CC-CS-1304D<br>(Computer Science)  | 8               | 6.4   | 4         | 8               | 6.4   | 4         | 80                 | 32   | 3     | 20       | 8    | 1     | 100   | 40   | 100                             | 40        | 3.2    |
| 4  | SEC- BCS D<br>(Python Programming) |                 |       |           | 3               | 2.4   | 2         |                    |      |       |          |      |       |       |      | 50                              | 20        | 2      |
| 5  | AECC-ENV                           | 4               | 3.2   | 4         | -               | -     | -         | 70                 | 25   | 3     | -        | -    |       | 100   | 35   | -                               | -         |        |
|  |                                    |                 |       |           |                 |       |           | 30                 | 10   | -     |          |      |       |       |      |                                 |           |        |
|  |                                    | 28              | 22.4  | <b>16</b> | 27              | 21.6  | <b>14</b> | 360                | -    | -     | -        | -    | -     | 400   | 200  | 350                             | -         | -      |
|  | <b>Total</b>                       | 52              | 41.6  | <b>28</b> | 54              | 44.8  | <b>28</b> |                    |      |       |          |      |       | 700   |      |                                 |           |        |

|  |   |
|--|---|
| <ul style="list-style-type: none"> <li>• Student contact hours per week : 65 Hours (Min.)</li> </ul>   | <ul style="list-style-type: none"> <li>• Total Marks for <b>B. Sc. (Computer Science Entire ) (Including EVS and SEC ) : 1050</b></li> <li>• Total Marks for <b>B. Sc. (Computer Science Entire ) (Excluding EVS): 950</b></li> </ul> |
| <ul style="list-style-type: none"> <li>• Theory and Practical Lectures : 48 Minutes Each</li> </ul>  | <ul style="list-style-type: none"> <li>• Total Credits for <b>B. Sc. (Computer Science Entire ) Sem-III&amp;IV-56</b></li> </ul>  |
| <ul style="list-style-type: none"> <li>• <b>AECC-</b> Ability Enhancement Compulsory Course - <b>EVS SEC-BCS</b> - Skill Enhancement Course for BCS</li> <li>• <b>CC-</b> Core course (computer science)</li> <li>• <b>SEC-BCS</b> Examination will be conducted annually for 50 marks. Passing for SEC shall be 40%</li> <li>• Course list as per enclosed Annexure. <b><i>Separate passing is mandatory for Theory, Internal and Practical.</i></b></li> </ul> |   |
| <ul style="list-style-type: none"> <li>• Practical Examination will be conducted annually for 100 Marks per course (subject).</li> </ul>   |   |

**Subject code for BCS**

| Sr.No. | Name of the Subject | Subject code | Sem-IA    | Sem-IIB   | Sem-IIIC     | Sem-IVD     | Sem-VE      | Sem-VIF     |
|--------|---------------------|--------------|-----------|-----------|--------------|-------------|-------------|-------------|
| 1      | Mathematics         | 1300         | GEC-1300A | GEC-1300A |              |             |             |             |
| 2      | Electronics         | 1301         | GEC-1301A | GEC-1301A |              |             |             |             |
| 3      | Statistics          | 1302         | GEC-1302A | GEC-1302A |              |             |             |             |
| 4      | CC-CS               | 1303         | GEC-1303A | GEC-1303A |              |             |             |             |
| 5      | AECC-ENG            | BCS-1        | BCS-1A    | BCS-1B    |              |             |             |             |
| 6      | Mathematics         | 1300         |           |           | GEC-1300C    | GEC-1300D   |             |             |
| 8      | Electronics         | 1301         |           |           | GEC-1301C    | GEC-1301D   |             |             |
| 9      | CC-CS               | 1304         |           |           | CC-CS-1304C  | CC-CS-1304D |             |             |
| 10     | SEC                 | BCS          |           |           | SEC- BCSC    | SEC- BCSD   |             |             |
| 11     | AECC-ENV            | 1513         |           |           | AECC-1513ENV |             |             |             |
| 12     | AECC-ENG            | BCS-2        |           |           |              |             | BCS-2E      | BCS-2F      |
| 13     | CC-CS               | 1305         |           |           |              |             | CC-CS-1305E | CC-CS-1305F |
| 14     | CC-CS               | 1306         |           |           |              |             | CC-CS-1306E | CC-CS-1305F |
| 15     | CC-CS               | 1307         |           |           |              |             | CC-CS-1307E | CC-CS-1305F |
| 16     | SEC                 | BCS          |           |           |              |             | SEC- BCSE   | SEC- BCSF   |