

B.L.D.E. Association's  
**S. B . Arts and K.C.P. Science College, Vijayapur**  
 Re-accredited at B++ Level by NAAC in IV Cycle  
**M.Sc. (Computer Science) Programme**

**Mapping of Course Outcomes with Program Outcomes**

**Sem: I**

**Paper: 20MSCCS1.1**

**Subject: Discrete Mathematical Structure**

| Course Outcomes | Program Outcomes |     |     |     |     |     |
|-----------------|------------------|-----|-----|-----|-----|-----|
|                 | P01              | P02 | P03 | P04 | P05 | P06 |
| <b>C01:</b>     | 3                | 3   | 3   | 2   | -   | -   |
| <b>C02:</b>     | 3                | 3   | 3   | 3   | 1   | -   |
| <b>C03:</b>     | 2                | 3   | 2   | 1   | 1   | 2   |
| <b>C04:</b>     | 3                | 3   | 3   | 2   | 2   | -   |
| <b>C05:</b>     | 2                | 3   | 2   | 2   | 2   | 1   |

**Sem: I**

**Paper: 20MSCCS1.2**

**Subject: Data Base Management Systems**

| Course Outcomes | Program Outcomes |     |     |     |     |     |
|-----------------|------------------|-----|-----|-----|-----|-----|
|                 | P01              | P02 | P03 | P04 | P05 | P06 |
| <b>C01:</b>     | 1                | 1   | 1   | 1   | -   | -   |
| <b>C02:</b>     | 1                | 1   | 2   | 1   | -   | -   |
| <b>C03:</b>     | 2                | 2   | 2   | 2   | -   | -   |
| <b>C04:</b>     | 3                | 2   | 3   | 3   | 2   | -   |
| <b>C05:</b>     | 3                | 3   | 3   | 2   | 3   | -   |

**Sem: I**

**Paper: 20MSCCS1.3**

**Subject: Data Structure Using C++**

| Course Outcomes | Program Outcomes |     |     |     |     |     |
|-----------------|------------------|-----|-----|-----|-----|-----|
|                 | P01              | P02 | P03 | P04 | P05 | P06 |
| <b>C01:</b>     | 3                | 2   | 2   | 2   | 2   | -   |
| <b>C02:</b>     | 2                | 3   | 2   | 3   | 3   | -   |
| <b>C03:</b>     | 3                | 3   | 3   | 2   | 2   | -   |
| <b>C04:</b>     | 3                | 2   | 3   | 2   | 2   | 1   |
| <b>C05:</b>     | 3                | 2   | 3   | 2   | 2   | -   |

**Sem: I****Paper: 20MSCCS1.4****Subject: Database Management Systems Lab**

| <b>Course Outcomes</b> | <b>Program Outcomes</b> |            |            |            |            |            |
|------------------------|-------------------------|------------|------------|------------|------------|------------|
|                        | <b>P01</b>              | <b>P02</b> | <b>P03</b> | <b>P04</b> | <b>P05</b> | <b>P06</b> |
| <b>C01:</b>            | 3                       | 2          | 2          | 2          | 2          | -          |
| <b>C02:</b>            | 2                       | 3          | 2          | 3          | 3          | -          |
| <b>C03:</b>            | 3                       | 3          | 3          | 2          | 2          | -          |
| <b>C04:</b>            | 3                       | 2          | 3          | 2          | 2          | 1          |
| <b>C05:</b>            | 3                       | 2          | 3          | 2          | 2          | -          |

**Sem: I****Paper: 20MSCCS1.5****Subject: Data Structure Using C++ Lab**

| <b>Course Outcomes</b> | <b>Program Outcomes</b> |            |            |            |            |            |
|------------------------|-------------------------|------------|------------|------------|------------|------------|
|                        | <b>P01</b>              | <b>P02</b> | <b>P03</b> | <b>P04</b> | <b>P05</b> | <b>P06</b> |
| <b>C01:</b>            | 3                       | 2          | 2          | 2          | 2          | -          |
| <b>C02:</b>            | 2                       | 3          | 2          | 3          | 3          | -          |
| <b>C03:</b>            | 3                       | 3          | 3          | 2          | 2          | -          |
| <b>C04:</b>            | 3                       | 2          | 3          | 2          | 2          | 1          |
| <b>C05:</b>            | 3                       | 2          | 3          | 2          | 2          | -          |
| <b>C06:</b>            | 2                       | 3          | 2          | 2          | 2          | -          |
| <b>C07:</b>            | 3                       | 3          | 3          | 3          | 2          | -          |

**Sem: I****Paper: 20MSCCS1.6****Subject: Computer System Architecture**

| <b>Course Outcomes</b> | <b>Program Outcomes</b> |            |            |            |            |            |
|------------------------|-------------------------|------------|------------|------------|------------|------------|
|                        | <b>P01</b>              | <b>P02</b> | <b>P03</b> | <b>P04</b> | <b>P05</b> | <b>P06</b> |
| <b>C01:</b>            | 3                       | 1          | -          | -          | -          | -          |
| <b>C02:</b>            | 3                       | 2          | 3          | 3          | 1          | -          |
| <b>C03:</b>            | 2                       | 2          | 2          | 2          | 1          | -          |
| <b>C04:</b>            | 3                       | 2          | 2          | 3          | 2          | -          |
| <b>C05:</b>            | 2                       | 1          | 2          | 3          | 2          | -          |

**Sem: II****Paper: 20MSCCS2.1****Subject: Programming using Java**

| Course Outcomes | Program Outcomes |     |     |     |     |     |
|-----------------|------------------|-----|-----|-----|-----|-----|
|                 | P01              | P02 | P03 | P04 | P05 | P06 |
| <b>C01:</b>     | 2                | 1   | 2   | 2   | 1   | -   |
| <b>C02:</b>     | 2                | 2   | 2   | 2   | 2   | 1   |
| <b>C03:</b>     | 3                | 2   | 3   | 2   | 2   | -   |
| <b>C04:</b>     | 3                | 2   | 3   | 3   | 2   | -   |
| <b>C05:</b>     | 1                | 2   | 2   | 2   | 1   | -   |

**Sem: II****Paper: 20MSCCS2.2****Subject: Web Programming**

| Course Outcomes | Program Outcomes |     |     |     |     |     |
|-----------------|------------------|-----|-----|-----|-----|-----|
|                 | P01              | P02 | P03 | P04 | P05 | P06 |
| <b>C01:</b>     | 3                | 2   | 1   | 1   | 1   | -   |
| <b>C02:</b>     | 2                | 3   | 3   | 3   | 3   | -   |
| <b>C03:</b>     | 2                | 3   | 3   | 2   | 3   | -   |
| <b>C04:</b>     | 2                | 3   | 3   | 3   | 3   | -   |
| <b>C05:</b>     | 1                | 2   | 2   | 2   | 2   | -   |

**Sem: II****Paper: 20MSCCS2.3****Subject: Programming using Java Lab**

| Course Outcomes | Program Outcomes |     |     |     |     |     |
|-----------------|------------------|-----|-----|-----|-----|-----|
|                 | P01              | P02 | P03 | P04 | P05 | P06 |
| <b>C01:</b>     | 3                | 1   | 1   | 1   | 2   | -   |
| <b>C02:</b>     | 2                | 3   | 3   | 2   | 2   | -   |
| <b>C03:</b>     | 2                | 2   | 2   | 3   | 3   | -   |
| <b>C04:</b>     | 3                | 2   | 3   | 2   | 2   | -   |
| <b>C05:</b>     | 2                | 3   | 3   | 3   | 2   | -   |

**Sem: II Paper: 20MSCCS2.4****Subject: Web Programming Lab**

| <b>Course Outcomes</b> | <b>Program Outcomes</b> |            |            |            |            |            |
|------------------------|-------------------------|------------|------------|------------|------------|------------|
|                        | <b>P01</b>              | <b>P02</b> | <b>P03</b> | <b>P04</b> | <b>P05</b> | <b>P06</b> |
| <b>C01:</b>            | 3                       | 2          | 1          | 1          | 1          | -          |
| <b>C02:</b>            | 2                       | 3          | 3          | 3          | 3          | -          |
| <b>C03:</b>            | 2                       | 3          | 3          | 2          | 2          | -          |
| <b>C04:</b>            | 2                       | 3          | 3          | 3          | 3          | -          |
| <b>C05:</b>            | 3                       | 2          | 2          | 2          | 2          | -          |

**Sem: II Paper: 20MSCCS2.6****Subject: Data Communication and Computer Networks**

| <b>Course Outcomes</b> | <b>Program Outcomes</b> |            |            |            |            |            |
|------------------------|-------------------------|------------|------------|------------|------------|------------|
|                        | <b>P01</b>              | <b>P02</b> | <b>P03</b> | <b>P04</b> | <b>P05</b> | <b>P06</b> |
| <b>C01:</b>            | 3                       | 1          | 1          | 1          | -          | -          |
| <b>C02:</b>            | 3                       | 1          | 1          | 1          | 1          | -          |
| <b>C03:</b>            | 2                       | 1          | 1          | 2          | 2          | -          |
| <b>C04:</b>            | 3                       | 2          | 2          | 3          | 3          | -          |
| <b>C05:</b>            | 3                       | 3          | 3          | 3          | 3          | -          |

**Sem: III Paper: 20MSCCS 3.1****Subject: C# and .NET Programming**

| <b>Course Outcomes</b> | <b>Program Outcomes</b> |            |            |            |            |            |
|------------------------|-------------------------|------------|------------|------------|------------|------------|
|                        | <b>P01</b>              | <b>P02</b> | <b>P03</b> | <b>P04</b> | <b>P05</b> | <b>P06</b> |
| <b>C01:</b>            | 3                       | 1          | 2          | 1          | 1          | -          |
| <b>C02:</b>            | 2                       | 2          | 3          | 1          | 2          | -          |
| <b>C03:</b>            | 2                       | 1          | 2          | 1          | 1          | -          |
| <b>C04:</b>            | 1                       | 2          | 2          | 2          | 1          | -          |
| <b>C05:</b>            | 2                       | 2          | 3          | 2          | 2          | -          |

**Sem: III Paper: 20MSCCS 3.2****Subject: Programming using Python**

| Course Outcomes | Program Outcomes |     |     |     |     |     |
|-----------------|------------------|-----|-----|-----|-----|-----|
|                 | P01              | P02 | P03 | P04 | P05 | P06 |
| <b>C01:</b>     | 1                | 2   | 1   | 1   | 2   | -   |
| <b>C02:</b>     | 3                | 2   | 3   | 2   | 1   | -   |
| <b>C03:</b>     | 2                | 2   | 3   | 2   | 1   | -   |
| <b>C04:</b>     | 1                | 2   | 1   | 2   | 2   | -   |
| <b>C05:</b>     | 2                | 2   | 3   | 3   | 1   | -   |

**Sem: III Paper: 20MSCCS 3.3****Subject: C# and .NET Programming Lab**

| Course Outcomes | Program Outcomes |     |     |     |     |     |
|-----------------|------------------|-----|-----|-----|-----|-----|
|                 | P01              | P02 | P03 | P04 | P05 | P06 |
| <b>C01:</b>     | 2                | 1   | 2   | 1   | 1   | -   |
| <b>C02:</b>     | 3                | 2   | 2   | 3   | 1   | -   |
| <b>C03:</b>     | 2                | 1   | 2   | 2   | 1   | -   |
| <b>C04:</b>     | 2                | 1   | 2   | 2   | 1   | -   |
| <b>C05:</b>     | 2                | 2   | 1   | 1   | 2   | -   |

**Sem: III Paper: 20MSCCS 3.4****Subject: Python Programming Lab**

| Course Outcomes | Program Outcomes |     |     |     |     |     |
|-----------------|------------------|-----|-----|-----|-----|-----|
|                 | P01              | P02 | P03 | P04 | P05 | P06 |
| <b>C01:</b>     | 3                | 2   | 2   | 2   | 1   | -   |
| <b>C02:</b>     | 2                | 3   | 2   | 2   | 2   | -   |
| <b>C03:</b>     | 3                | 3   | 2   | 3   | 2   | -   |
| <b>C04:</b>     | 2                | 2   | 1   | 2   | 1   | -   |
| <b>C05:</b>     | 1                | 2   | 2   | 3   | 2   | -   |

**Sem: III Paper: 20MSCCS 3.5****Subject: Software Engineering**

| Course Outcomes | Program Outcomes |     |     |     |     |     |
|-----------------|------------------|-----|-----|-----|-----|-----|
|                 | P01              | P02 | P03 | P04 | P05 | P06 |
| C01:            | 3                | 1   | 1   | 1   | 2   | -   |
| C02:            | 3                | 2   | 2   | 2   | 3   | -   |
| C03:            | 3                | 1   | 2   | 2   | 3   | -   |
| C04:            | 3                | 2   | 3   | 2   | 3   | 2   |
| C05:            | 2                | 3   | 3   | 3   | 3   | -   |

**Sem: IV Paper:20MSCCS 4.1****Subject: Digital Image Processing**

| Course Outcomes | Program Outcomes |     |     |     |     |     |
|-----------------|------------------|-----|-----|-----|-----|-----|
|                 | P01              | P02 | P03 | P04 | P05 | P06 |
| C01:            | 3                | 1   | 2   | 1   | 1   | -   |
| C02:            | 2                | 2   | 3   | 1   | 2   | -   |
| C03:            | 2                | 1   | 2   | 1   | 1   | -   |
| C04:            | 1                | 2   | 2   | 2   | 1   | -   |
| C05:            | 2                | 2   | 3   | 2   | 2   | -   |

**Sem: IV Paper: 20MSCCS 4.2****Subject: Artificial Intelligence**

| Course Outcomes | Program Outcomes |     |     |     |     |     |
|-----------------|------------------|-----|-----|-----|-----|-----|
|                 | P01              | P02 | P03 | P04 | P05 | P06 |
| C01:            | 3                | 3   | 2   | 3   | 1   | -   |
| C02:            | 2                | 2   | 2   | 2   | 2   | 2   |
| C03:            | 2                | 3   | 3   | 2   | 2   | 3   |
| C04:            | 3                | 3   | 3   | 2   | 2   | 2   |
| C05:            | 2                | 3   | 3   | 3   | 2   | 3   |

**Sem: IV      Paper:20MSCCS 4.3      Subject: Digital Image Processing Lab using MATLAB/ Python**

| Course Outcomes | Program Outcomes |     |     |     |     |     |
|-----------------|------------------|-----|-----|-----|-----|-----|
|                 | P01              | P02 | P03 | P04 | P05 | P06 |
| <b>C01:</b>     | 3                | 3   | 3   | 3   | 3   | -   |
| <b>C02:</b>     | 2                | 3   | 3   | 3   | 3   | -   |
| <b>C03:</b>     | 2                | 2   | 3   | 3   | 3   | -   |
| <b>C04:</b>     | 2                | 3   | 3   | 3   | 3   | -   |
| <b>C05:</b>     | 2                | 3   | 3   | 3   | 3   | -   |

**Sem: IV      Paper:20MSCCS 4.4      Subject: Cloud Computing**

| Course Outcomes | Program Outcomes |     |     |     |     |     |
|-----------------|------------------|-----|-----|-----|-----|-----|
|                 | P01              | P02 | P03 | P04 | P05 | P06 |
| <b>C01:</b>     | 2                | -   | -   | 1   | -   | -   |
| <b>C02:</b>     | 3                | -   | -   | 1   | 2   | -   |
| <b>C03:</b>     | 3                | 2   | 1   | 3   | 2   | -   |
| <b>C04:</b>     | 3                | 2   | 3   | 2   | 2   | -   |
| <b>C05:</b>     | 2                | 1   | 2   | 1   | 1   | -   |

**Sem: IV      Paper: 20MSCCS 4.5      Subject: Data Mining Techniques**

| Course Outcomes | Program Outcomes |     |     |     |     |     |
|-----------------|------------------|-----|-----|-----|-----|-----|
|                 | P01              | P02 | P03 | P04 | P05 | P06 |
| <b>C01:</b>     | 3                | 1   | 1   | 1   | -   | -   |
| <b>C02:</b>     | 3                | 2   | 2   | 1   | 1   | -   |
| <b>C03:</b>     | 1                | 3   | 3   | 2   | 3   | -   |
| <b>C04:</b>     | 3                | 2   | 2   | 2   | 3   | -   |
| <b>C05:</b>     | 1                | 2   | 2   | 2   | 3   | -   |

Sem: IV

Paper: 20MSCCS 4.6

Subject: Project Work

| Course Outcomes | Program Outcomes |     |     |     |     |     |
|-----------------|------------------|-----|-----|-----|-----|-----|
|                 | P01              | P02 | P03 | P04 | P05 | P06 |
| C01:            | 3                | 2   | 1   | -   | 1   | 2   |
| C02:            | 1                | 3   | -   | -   | 2   | -   |
| C03:            | 1                | 3   | 2   | 2   | 2   | -   |
| C04:            | -                | -   | -   | 1   | 3   | 3   |
| C05:            | -                | 2   | 3   | 1   | 3   | -   |

  
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