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**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

**Course Outcomes & CO-PO-PSO Mapping and Justification**

|                         |  |                        |
|-------------------------|--|------------------------|
| <b>Subject</b>          | <b>User Interface Design</b>   | <b>18CS734</b>         |
| <b>COURSE OUTCOMES:</b> |  |                        |
| <b>CO No.</b>           | <b>On completion of this course, students will be able to:</b>           | <b>Cognitive Level</b> |
| 18CS734.1               | Understand the importance of user interface and benefits of good design. | L2                     |
| 18CS734.2               | Understand the user interface design process and business function.      | L2                     |
| 18CS734.3               | Understand the types of system menus and navigation schemes.             | L2                     |
| 18CS734.4               | Understand the characteristics of windows and device based controls.     | L2                     |
| 18CS734.5               | Understand the screen based controls and kinds of tests.                 | L2                     |

**CO-PO-PSO MAPPING**

| CO No.              | PO1        | PO2        | PO3        | PO4      | PO5      | PO6      | PO7      | PO8      | PO9      | PO10     | PO11     | PO12       | PSO1       | PSO2     | PSO3     |
|---------------------|------------|------------|------------|----------|----------|----------|----------|----------|----------|----------|----------|------------|------------|----------|----------|
| 18CS734.1           | 1          | -          | -          | -        | -        | -        | -        | -        | -        | -        | -        | 1          | 1          | -        | -        |
| 18CS734.2           | 1          | -          | -          | -        | -        | -        | -        | -        | -        | -        | -        | 1          | 1          | -        | -        |
| 18CS734.3           | 1          | 1          | 1          | -        | -        | -        | -        | -        | -        | -        | -        | 1          | 1          | -        | -        |
| 18CS734.4           | 1          | 1          | 1          | -        | -        | -        | -        | -        | -        | -        | -        | 1          | 1          | -        | -        |
| 18CS734.5           | 1          | 1          | 1          | -        | -        | -        | -        | -        | -        | -        | -        | 1          | 1          | -        | -        |
| <b>Avg. Mapping</b> | <b>1.0</b> | <b>1.0</b> | <b>1.0</b> | <b>-</b> | <b>-</b> | <b>-</b> | <b>-</b> | <b>-</b> | <b>-</b> | <b>-</b> | <b>-</b> | <b>1.0</b> | <b>1.0</b> | <b>-</b> | <b>-</b> |

## CO-PO-PSO JUSTIFICATION

| CO No.    | PO/PSO | CL | Justification   |
|-----------|--------|----|---|
| 18CS734.1 | PO1    | 1  | Slightly mapped as students will be able to understand the importance of user interface and benefits of good design.                                  |
|           | PO12   | 1  | Slightly mapped as students can use the characteristics and principles of good user interface design in continuing professional development.          |
|           | PSO1   | 1  | Slightly mapped as students can use the principles of good user interface design for user interface application development.                          |
| 18CS734.2 | PO1    | 1  | Slightly mapped as students will be able to understand the user interface design process and business function.                                       |
|           | PO12   | 1  | Slightly mapped as students can use the concepts of business function in continuing professional development.   |
|           | PSO1   | 1  | Slightly mapped as students can use the user interface design process for user interface application development.                                     |
| 18CS734.3 | PO1    | 1  | Slightly mapped as students will be able to understand the different types of system menus and navigation schemes.                                    |
|           | PO2    | 1  | Slightly mapped as students will be able to analyze different types of system menus and choose the appropriate method for an application.             |
|           | PO3    | 1  | Slightly mapped as students will be able to explore different menu and navigation design alternatives.  |
|           | PO12   | 1  | Slightly mapped as students can use the menu and navigation user interface design methods in continuing professional development.                     |
|           | PSO1   | 1  | Slightly mapped as students can use the menu and navigation user interface design methods in developing user interface applications.                  |
| 18CS734.4 | PO1    | 1  | Slightly mapped as students will be able to understand the characteristics of windows and device based controls.                                      |
|           | PO2    | 1  | Slightly mapped as students will be able to analyze different types of windows and choose the appropriate method for an application.                  |
|           | PO3    | 1  | Slightly mapped as students will be able to explore different windows design alternatives.  |
|           | PO12   | 1  | Slightly mapped as students can use the characteristics of windows and different device based controls learnt in continuing professional development. |
|           | PSO1   | 1  | Slightly mapped as students can use the different windows design methods in developing user interface applications.                                   |

|           |      |   |  |
|-----------|------|---|--|
| 18CS734.5 | PO1  | 1 | Slightly mapped as students will be able to understand the screen based controls and different kinds of tests.                             |
|           | PO2  | 1 | Slightly mapped as students will be able to analyze different screen based controls and choose the appropriate control for an application. |
|           | PO3  | 1 | Slightly mapped as students will be able to explore different screen based controls design alternatives.                                   |
|           | PO12 | 1 | Slightly mapped as students can use the different testing methodologies in continuing professional development.                            |
|           | PSO1 | 1 | Slightly mapped as students can use the different screen based controls in developing user interface applications.                         |

**Prepared by**

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