University College of Engineering (BIT Campus)

Anna University - Tiruchirappalli

Department of CSE/IT

Academic year: 2017-18 First year **CSE courses**

**GE8151-PROBLEM SOLVING & PYTHON PROGRAMMING**

Course Outcomes

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| CO1 | Develop algorithmic solutions to simple computational problems. |  |
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| CO2 | Demonstrate programs using simple Python statements and expressions. |  |
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| CO3 | Explain control flow and functions concept in Python for solving problems. |  |
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| CO4 | Use Python data structures – lists, tuples & dictionaries for representing compound data. |  |
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| CO5 | Explain files, exception, modules and packages in Python for solving problems. |  |
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| Mapping of Cos with POs | |  |

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| **Course** | **PO1** | **PO2** | **PO3** | **PO4** | **PO5** | **PO6** | **PO7** | **PO8** | **PO9** | **PO10** | **PO11** | **PO12** |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| CO1 | 3 | 2 | 1 | - | - | 1 | - | 1 | - | - | - | 1 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| CO2 | 3 | 2 | 1 | - | 2 | 1 | - | - | - | - | - | 1 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| CO3 | 3 | 2 | 1 | - | 2 | 1 | - | - | 1 | - | - | 1 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| CO4 | 3 | 2 | 1 | 1 | 2 | 1 | - | - | - | - | - | 1 |
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| CO5 | 3 | 2 | 1 | 1 | 2 | 1 | - | - | - | - | - | 1 |
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**GE8161- PROBLEM SOLVING & PYTHON PROGRAMMING LABORATORY**

Course Outcomes

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| CO1 | Develop solutions to simple computational problems using Python programs. |
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| CO2 | Solve problems using conditionals and loops in Python. |
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| CO3 | Develop Python programs by defining functions and calling them. |
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| CO4 | Use Python lists, tuples and dictionaries for representing compound data. |
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| CO5 | Develop Python programs using files. |
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Mapping of Cos with POs

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Course** | **PO1** | **PO2** | **PO3** | **PO4** | **PO5** | **PO6** | **PO7** | **PO8** | **PO9** | **PO10** | **PO11** | **PO12** |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| CO1 | 3 | 2 | 1 | - | 2 | 1 | - | - | 2 | - | - | 1 |
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| CO2 | 3 | 2 | 1 | 1 | 2 | 1 | - | - | 2 | - | - | 1 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| CO3 | 3 | 2 | 1 | - | 2 | 1 | - | - | 2 | - | - | 1 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| CO4 | 3 | 2 | 1 | - | 2 | 1 | - | 1 | 2 | - | - | 1 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| CO5 | 3 | 2 | 1 | 1 | 2 | 1 | - | - | 2 | - | - | 1 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |