



## Shri Sant Gajanan Maharaj College of Engineering, Shegaon

### Department of Information Technology

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#### Course Outcomes of all subjects of B.E. Third Year (SEM-VI)

##### **6IT01- COMPILER DESIGN**

After successfully completing the course the students will be able to:

|            |   |
|------------|---|
| <b>CO1</b> | Apply lexical analysis methods for specifying and recognizing the tokens.                                   |
| <b>CO2</b> | Apply top-down parsing methods for error detection and error recovery in predictive parsing                 |
| <b>CO3</b> | Apply bottom-up parsing methods for error detection and error recovery in predictive parsing.               |
| <b>CO4</b> | Apply the syntax-directed translation rules for the generation of an annotated parse tree.                  |
| <b>CO5</b> | Assess the various source language issues during the intermediate code generation and run-time environment. |

##### **6IT02- Design and Analysis of Algorithm**

After successfully completing the course the students will be able to:

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| <b>CO1</b> | Analyze worst-case running times of algorithms using asymptotic analysis.                               |
| <b>CO2</b> | Describe the divide-and-conquer paradigm and explain when an algorithmic design situation calls for it. |
| <b>CO3</b> | Differentiate the greedy-programming paradigm and solve an algorithmic design situation calls for it.   |
| <b>CO4</b> | Examine the dynamic programming approach and explain when an algorithmic design                         |

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|            | situation calls for it.  |
| <b>CO5</b> | Differentiate and Apply the concept of Backtracking, Polynomial Time & Non Polynomial Time Algorithms. |

### **6IT03- Artificial Intelligence**

After successfully completing the course the students will be able to:

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| <b>CO1</b> | Define Artificial Intelligence and identify problems for which solution by AI methods can be devised.                  |
| <b>CO2</b> | Evaluate of different uninformed search with stating valid conclusions that the evaluation supports.                   |
| <b>CO3</b> | Design and Analysis of informed search algorithms on well formulated problems.   |
| <b>CO4</b> | Formulate and solve given problem using Propositional and First order logic.   |
| <b>CO5</b> | Apply reasoning for non-monotonic AI problems.   |
| <b>CO6</b> | Have a basic understanding of some of the more advanced topics of AI such as learning, Understanding, Natural Language |

### **6IT04- Big Data Analytics**

After successfully completing the course the students will be able to:

|            |   |
|------------|---|
| <b>CO1</b> | Understand concepts of big data and analyze diverse business approaches.              |
| <b>CO2</b> | Categorize different components of the Hadoop ecosystem and NoSQL data stores.        |
| <b>CO3</b> | Classify different operations of MapReduce.   |
| <b>CO4</b> | Examine various issues in stream processing and identify various algorithms for data. |
| <b>CO5</b> | Choose the proper big data mining algorithm based on a variety of applications.       |

## 6IT05- Web Commerce

After successfully completing the course the students will be able to:

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| <b>CO1</b> | Demonstrate the basics of e-commerce, security approach, payment system, e-mail technologies and resources for e-commerce website establishment. |
| <b>CO2</b> | Apply the secure transport protocols and secure transaction protocols to make e-commerce safe.   |
| <b>CO3</b> | Identify the processes for the internet monetary payment and security to make safe payment and order processes                                   |
| <b>CO4</b> | Analyze the internet security issues and relevant solutions for the safe e-commerce.   |
| <b>CO5</b> | : Identify the models and technologies for message handling for the secured communication in e-commerce.   |
| <b>CO6</b> | : Identify the various internet resources and tools for the e-commerce website establishment.  |