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**Lesson Plan Template**

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| Semester/Year: | Summer 2020 | Department: | Computer Science and Engineering |
| Course Code: | CSE 417 | Course Title: | Automata and Theory of Computation |

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| S/L | Topic | Learning Outcomes | No. of Session | Activities | Assessment | Learning Resources |
| 1 | Introduction to Automata and Theory of Computation | ILO 1, 2 | 4 | Lecture, Discussion, Problem Solving | AS 1, AS 7 | Books, Websites, Lecture notes |
| 2 | Finite State Machines | ILO 1-3 | 6 | Lecture, Discussion, Problem Solving | AS 1, AS 2, AS 7 | Books, Websites, Lecture notes |
| 3 | Regular Expressions | ILO 1-3 | 3 | Lecture, Discussion, Problem Solving | AS1, AS 7 | Books, Websites, Lecture notes |
| 4 | Context Free Grammar | ILO 1-5 | 5 | Lecture, Discussion, Problem Solving, Presentation | AS 1, AS 2, AS 7 | Books, Websites, Lecture notes |
| 5 | Push Down Automata | ILO 1-5 | 2 | Lecture, Discussion, Problem Solving, Presentation | AS 3, AS 7 | Books, Websites, Lecture notes |
| 6 | Turing Machine & Decidability | ILO 1-5 | 4 | Lecture, Discussion, Problem Solving, Presentation | AS 1, AS 7 | Books, Websites, Lecture notes |

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| Prepared By: | Satyaki Das | Signature: |  | Date: |  |
| Verified By: |  | Signature: |  | Date: |  |