Assignment Artificial Intelligence 2023 V sem

Students have to create contents in own words on topics given below. There should not be copy and paste. Along with assignment , you have to submit plagiarism report. Assignment should be uploaded in word form. Assignment has to be submitted once . names and roll number of all participants must be written. If required add editable diagrams. No copy paste of contents and diagrams.

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| S.No | Roll No | **Topic** |
|  | 1-3 | **Introduction to Artificial Intelligence**  Inderstanding AI: Definition and Scope |
|  | 4-6 | Historical Development of Artificial Intelligence |
|  | 7-10 | AI : Problems and Techniques |
|  | 11-13 | Areas of Artificial Intelligence |
|  | 14-16 | **Problem Solving Methods and Search Strategies**   * Introduction |
|  | 17-19 | * State Space Representation |
|  | 20-22 | * Problem Characteristics |
|  | 23-25 | * Production System & Control Strategies |
|  | 26-28 | * **Informed and uninformed Search** * Generate & Test Method |
|  | 29-31 | * Hill Climbing Method |
|  | 32-34 | * Best First Search & A\* Search |
|  | 35-37 | * Means End Analysis |
|  | 38-40 | * Problem Reduction & AO\* Algorithm |
|  | 41-43 | * Constraint Satisfaction |
|  | 44-46 | . **Knowledge Representation**   * Ontologies, Objects, Events |
|  | 47-49 | * Representations & Mappings |
|  | 50-52 | * Using Predicate Logic * Representing facts in logic |
|  | 53-55 | Using Predicate Logic   * Computable functions & predicate |
|  | 56-58 | * Using predicate logic Resolution Algorithm and deduction |
|  | 59-61 | * Using predicate logic Resolution Algorithm Case study |
|  | 62-64 | * Forward Vs Backward Chaining |
|  | 65-67 | * Slot & Filler Structures |
|  | 68-70 | * Issues in Knowledge Representations & Case Studies |
|  | 71-73 | * Knowledge Representation Case study |
|  | 74-76 | * Knowledge Representation Case study |
|  | 77 | * Knowledge Representation Case study |