

CO-PO MAPPING JUSTIFICATION

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| BCS515B | CO1 | PO1 | 3 | Students will be able to apply knowledge of intelligent agent architectures and their interactions to design intelligent AI applications. |
| | | PO2 | 3 | Students will be able to analyze problem characteristics and identify appropriate intelligent agent to provide solution. |
| | | PO3 | 2 | Understanding agent architecture lays the groundwork for the students to design autonomous agent-based applications. |
| | CO2 | PO2 | 2 | Students will be able to analyze and apply searching and reasoning techniques to find the solution to problems. |
| | | PO3 | 2 | Students will be able to design intelligent agents with efficient search strategy for optimal solution |
| | | PO5 | 3 | By learning to apply problem-solving agents and search strategies, students develop practical skills in using modern engineering tools to tackle complex problems. This equips them to design, model, and simulate solutions effectively. |
| | | PO9 | 3 | By applying problem-solving agents and search strategies to solve any problem, students can collaboratively work in teams to tackle the problems. Students learn the essence of group effort by breaking down the problem, sharing ideas, strategizing and integrating different aspects for optimal solution. |
| | | PO10 | 3 | Students develop the ability to clearly communicate the logic, steps, and results of problem-solving processes by presenting the designed and developed problem-solving agents and search strategies |
| | | PO12 | 1 | Students will be able to establish transferable problem-solving skills that are essential for advancement in artificial intelligence and related computing fields. |
| | CO3 | PO1 | 2 | Students will be able to apply knowledge of logical constructs helping them to gain proficiency in representing knowledge and drawing conclusions |
| | | PO2 | 2 | Students will be able to develop skills in analyzing, reasoning and structuring the problem to be solved with |

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| | | | | good representation. This will help to break down complex issues systematically and identify solutions. |
| | | PO3 | 2 | Students will be able to design and develop solutions using structured knowledge and make effective logical reasoning and inferences from this knowledge applying first order logic and propositional logic. |
| | CO4 | PO2 | 2 | Students will be able to provide the solution for a given real world problems by applying planning strategies and inference mechanisms to achieve the required goals. |
| | | PO3 | 2 | Students will be able to develop solutions to AI problems by applying planning and inference techniques. |

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| BCS515B | CO1 | PSO1 | 2 | With the knowledge of architecture of intelligent agents, students will be able apply suitable learning method to design AI applications |
| | CO2 | PSO1 | 3 | Students will be able to apply problem-solving agents and search strategies to design the applications |
| | | PSO2 | 2 | Graduates will be able to apply the knowledge of problem-solving agents and search strategies, pursue research in path finding, and design intelligent systems capable of efficient navigation in complex environments. |
| | CO3 | PSO1 | 2 | Graduates can use the proficiency in logical reasoning and knowledge representation using propositional and first-order logic to build software products. |
| | CO4 | PSO1 | 2 | Graduates can use the knowledge in problem-solving, to design and build intelligent products that can autonomously plan, reason, and act in suitable environments. |

Faculty-Incharges

Course Coordinator

Module Coordinator

IQAC

Programme coordinator