

Sarjana Sains Komputer (Kecerdasan Buatan)
Master of Computer Science (Artificial Intelligence)

OBJEKTIF PROGRAM

1	Mengaplikasi dan mengintegrasikan pengetahuan berkaitan dengan isu penyelidikan semasa dalam bidang kecerdasan buatan dan menghasilkan tugas yang bersifat terkini dalam bidang kecerdasan buatan. <i>Apply and integrate knowledge concerning current research issues in artificial intelligence and produce work that is at the forefront of the developments in the domain of artificial intelligence.</i>
2	Menilai dan menganalisa ketepatan dan keberkesanan penyelesaian menggunakan kaedah kecerdasan buatan. <i>Evaluate and analyse the use of intelligence methods in terms of their usability, efficiency and effectiveness.</i>
3	Menyelesaikan masalah menggunakan kaedah dan alatan dalam kecerdasan buatan. <i>Develop artificial intelligence solutions and use necessary techniques/tools to solve artificial intelligence problem.</i>
4	Berkomunikasi dan bekerja dalam kumpulan. <i>Communicate and function effectively in a group.</i>
5	Menyedia, menerbitkan dan membentangkan bahan teknikal berkaitan bidang kecerdasan buatan. <i>Prepare, publish and present technical material related to artificial Intelligence.</i>
6	Menzahirkan sikap yang selari dengan kod etika dan tanggungjawab profesional. <i>Demonstrate behaviour that is consistent with codes of professional ethics and responsibility.</i>

HASIL PEMBELAJARAN PROGRAM

1	Menunjukkan amalan pengetahuan dan memahami asas kepada fakta, konsep, prinsip dan teori yang berkaitan bidang kecerdasan buatan. <i>Demonstrate knowledge and understanding of essential facts, concepts, principles, and theories relating to artificial intelligence.</i>
2	Mengguna sebaiknya teknik-teknik berkaitan dan menunjukkan kemahiran psikomotor dan amali dalam menyelesaikan masalah kecerdasan buatan. <i>Utilize relevant techniques and demonstrate psychomotor and practical in solving artificial intelligence problems.</i>
3	Mengguna sebaiknya teknik-teknik berkaitan dan menunjukkan kemahiran pemikiran analitikal dan kritikal dalam menyelesaikan masalah. <i>Utilize relevant techniques and demonstrate analytical and critical thinking skills in problem solving.</i>
4	Menunjukkan kebolehan berkomunikasi secara berkesan dengan rakan sekerja, pelanggan, majikan dan masyarakat umum. <i>Demonstrate the ability to communicate effectively with peers, clients, superiors and society at large.</i>
5	Menunjukkan sikap sosial secara professional dan pertanggungjawaban untuk menggunakan prinsip dan teori kecerdasan buatan dalam bidang yang berkaitan. <i>Demonstrate social professionalism and responsibility in applying theoretical principles of artificial intelligence in relevant areas.</i>
6	Menggunakan kemahiran dan prinsip pembelajaran sepanjang hayat dalam pembangunan akademik dan kerjaya. <i>Apply skills and principles of lifelong learning in academic and career development.</i>
7	Menggunakan perspektif yang luas terhadap alam sebenar perniagaan seharian dan menunjukkan kemahiran pengurusan dan keusahawanan. <i>Apply broad business and real world perspectives daily and demonstrate managerial and entrepreneurial skills.</i>
8	Menunjukkan keprofesionalisme dan bersifat beretika dan sosial dalam amalan terhadap prinsip etika dan perundangan. <i>Demonstrate professionalism and social and ethical considerations in accordance with ethical and legal principles.</i>
9	Menunjukkan amalan kerja berpasukan dan kepimpinan secara berkesan dengan rakan sekerja, pelanggan, majikan dan masyarakat umum. <i>Demonstrate teamwork and leadership effectively with peers, clients, superiors and society at large.</i>

Programme Structure

Mode	Core (28 Unit)	Elective (12 Unit)
COURSEWORK ONLY	<ul style="list-style-type: none"> • TA6434 Algorithm and Data Structure • TC6244 Machine Learning • TP6084 Information Retrieval • TC6544 Advanced Artificial Intelligence • TC607C Project • TM6112 Research Method in Computing 	<p>Choose 3 courses below or any masters level courses offered and advised by Head of Programme</p> <ul style="list-style-type: none"> • TC6414 Knowledge Discovery and Data Mining • TP6524 Ontology and Knowledge Representation • TP6534 Natural Language Processing • TC6404 Image Processing and Computer Vision • TC6634 Multi-Agent Systems
COURSEWORK & RESEARCH	<ul style="list-style-type: none"> • TC6090 Dissertation • TM6112 Research Method in Computing 	<p>Choose 3 courses below or any masters level courses offered and advised by Head of Programme</p> <ul style="list-style-type: none"> • TA6434 Algorithm and Data Structure • TC6244 Machine Learning • TP6084 Information Retrieval • TC6544 Advanced Artificial Intelligence • TC6414 Knowledge Discovery and Data Mining • TP6524 Ontology and Knowledge Representation • TP6534 Natural Language Processing • TC6404 Image Processing and Computer Vision • TC6634 Multi-Agent Systems