



UNIVERSITAS GADJAH MADA

Faculty of Mathematics and Natural Sciences

Department of Computer Science and Electronics

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Bachelor in Computer Science

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MODULE HANDBOOK

Module name	Research Trend Artificial Intelligent
Module level	Undergraduate
Code	MII-212410
Courses (if applicable)	Research Trend Artificial Intelligent
Semester	Fall (Odd) / Spring (Even)
Contact person	Afiahayati, S.Kom., M.Cs., Ph.D. Dyah Aruming Tyas, Dr.
Lecturer	<ol style="list-style-type: none">1. Prof. Dra. Sri Hartati, M. Sc., Ph.D.2. Drs. Retantyo Wardoyo, M. Sc., Ph. D.3. Dr. Azhari SN, M.T.4. Dr. Sri Mulyana, M. Kom.5. Afiahayati, S.Kom., M.Cs., Ph.D.6. Aina Musdholifah, S.Kom., M.Kom., Ph.D.7. Ilona Usuman, M.Kom., Ph.D.8. Yunita Sari, S.Kom., M.Sc., Ph.D.9. Wahyono, Ph.D.10. Diyah Utami, S.Kom., M.Sc., M.Cs11. Dr. Dyah Aruming Tyas, S.Si12. Dzikri Rahadian Fudholi, S.Kom., M.Comp.
Language	Bahasa Indonesia & English
Relation to curriculum	<ol style="list-style-type: none">1. Undergraduate degree program, compulsory, 3rd / 4th semester.2. International undergraduate program, compulsory, 3rd / 4th semester.
Type of teaching, contact hours	<ol style="list-style-type: none">1. Undergraduate degree program: lectures, < 60 students,2. International undergraduate program: lectures, < 30 students.
Workload	<ol style="list-style-type: none">1. Lectures: 2 x 50 = 100 minutes per week.2. Exercises and Assignments: 1 x 50 = 50 minutes per week.3. Private study: 1 x 50 = 50 minutes per week.
Credit points	2 credit points (sks).
Requirements according to the Examination regulations	A student must have attended at least 75% of the lectures to sit in the exams.

Recommended prerequisites	-																																																								
Learning outcomes (course outcomes) and their corresponding PLOs	<p>After completing this module, a student is expected to:</p> <p>CO1. Students can understand the research trend on Artificial Intelligent.</p> <p>CO2. Students can understand the application development of artificial intelligence in the industrial.</p> <p>CO3. Students have presentation and communication skills in artificial intelligence topics.</p> <table border="1"> <thead> <tr> <th colspan="2">PLO</th> <th>CO1</th> <th>CO2</th> <th>CO3</th> <th></th> <th></th> <th></th> </tr> </thead> <tbody> <tr> <td rowspan="5">Program Learning Outcome (PLO)</td> <td>PLO1</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>PLO2</td> <td>√</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>PLO3</td> <td></td> <td>√</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>PLO4</td> <td></td> <td></td> <td>√</td> <td></td> <td></td> <td></td> </tr> <tr> <td>PLO5</td> <td></td> <td></td> <td>√</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	PLO		CO1	CO2	CO3				Program Learning Outcome (PLO)	PLO1							PLO2	√						PLO3		√					PLO4			√				PLO5			√															
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Contents	<ol style="list-style-type: none"> 1. Research trend Artificial Intelligent: Topic 1 2. Research trend Artificial Intelligent: Topic 2 3. Research trend Artificial Intelligent: Topic 3 4. Research trend Artificial Intelligent: Topic 4 5. Research trend Artificial Intelligent: Topic 5 6. Artificial Intelligent Project Idea 																																																								
Study and examination requirements and forms of examination	<p>The evaluation is done in 2 forms, namely:</p> <ol style="list-style-type: none"> 1. Trial, either midterm or semester test, 2. Individual / group tasks <p>Assessment is done using benchmark assessment, with the aim of measuring the level of student understanding related to the target and class rank.</p>																																																								
Media employed	e-learning Platform (eLOK), Slides, and websites.																																																								
Assessments and Evaluation	<table border="1"> <thead> <tr> <th>Type</th> <th>Percentage</th> <th>CO1</th> <th>CO2</th> <th>CO3</th> <th></th> <th></th> <th></th> </tr> </thead> <tbody> <tr> <td>Quiz</td> <td>15</td> <td>√</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Mid Test</td> <td>25</td> <td>√</td> <td>√</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Quiz</td> <td>10</td> <td></td> <td>√</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Task</td> <td>20</td> <td>√</td> <td>√</td> <td>√</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Final test</td> <td>30</td> <td>√</td> <td>√</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Total</td> <td>100</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	Type	Percentage	CO1	CO2	CO3				Quiz	15	√						Mid Test	25	√	√					Quiz	10		√					Task	20	√	√	√				Final test	30	√	√					Total	100						
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Reading List	<ol style="list-style-type: none"> 1. Latest publication related to the topic 2. Relevant external sources 																																																								

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