



UNIVERSITAS GADJAH MADA

Faculty of Mathematics and Natural Sciences

Department of Computer Science and Electronics

Sekip Utara Bulaksumur Yogyakarta 55281 Telp: +62 274 546194 Email: dep-ike.mipa@ugm.ac.id Website: <http://dcse.fmipa.ugm.ac.id>

Bachelor in Computer Science

Telp : +62 274 546194

Email : prodi-s1-ilkom.mipa@ugm.ac.id

Website : <http://dcse.ugm.ac.id/>

MODULE HANDBOOK

Module name	Startup Digital Development
Module level, if applicable	Bachelor
Code, if applicable	MII21-2003
Courses, if applicable	Startup Digital Development
Semester(s) in which the module is taught	Spring (Even)
Person responsible for the module	Dr. Mardhani Riasetiawan, MT
Lecturer(s)	Dr. Mardhani Riasetiawan, MT
Language	Bahasa Indonesia and English
Relation to curriculum	Bachelor degree, compulsory, 4 th semester.
Teaching methods	100 minutes of lectures and 120 minutes of structured activities per week.
Workload (incl. contact hours, self-study hours)	1. Lectures: 2 x 50 = 100 minutes (1.67 hours) per week. 2. Exercises and Assignments: 2 x 60 = 120 minutes (2 hours) per week. 3. Private study: 2 x 60 = 120 minutes (2 hours) per week.
Credit points	2 credit points.
Requirements according to the examination regulations	A student must have attended at least 75% of the lectures to sit in the exams.
Required and recommended prerequisites for joining the module	-

<p>Learning outcomes and their corresponding PLOs</p>	<p>After completing this module, a student is expected to:</p> <p>CO1. Able to explain and identify the type of entrepreneurship, startup and business, as well as the attitude that must be possessed.</p> <p>CO2. Able to explain and understand the development process and stages of business and digital business.</p> <p>CO3. Able to build business plans, innovation-based products and manage human, financial and equipment resources.</p> <p>CO4. Able to generate innovation and product prototypes at the Most Valuable Product scale and are user and market oriented.</p> <p>CO5. Able to present and present a digital startup pitch deck and communicate professionally and respond to feedback in the business development process.</p> <table border="1" data-bbox="630 724 1356 947"> <thead> <tr> <th>PLO</th> <th>CO1</th> <th>CO2</th> <th>CO3</th> <th>CO4</th> <th>CO5</th> </tr> </thead> <tbody> <tr> <td>Program Learning Outcome (PLO)</td> <td>PLO1</td> <td>√</td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td>PLO2</td> <td></td> <td>√</td> <td></td> <td></td> </tr> <tr> <td></td> <td>PLO3</td> <td></td> <td>√</td> <td></td> <td></td> </tr> <tr> <td></td> <td>PLO4</td> <td></td> <td></td> <td>√</td> <td></td> </tr> <tr> <td></td> <td>PLO5</td> <td></td> <td></td> <td></td> <td>√</td> </tr> </tbody> </table>	PLO	CO1	CO2	CO3	CO4	CO5	Program Learning Outcome (PLO)	PLO1	√					PLO2		√				PLO3		√				PLO4			√			PLO5				√
PLO	CO1	CO2	CO3	CO4	CO5																																
Program Learning Outcome (PLO)	PLO1	√																																			
	PLO2		√																																		
	PLO3		√																																		
	PLO4			√																																	
	PLO5				√																																
<p>Content</p>	<ol style="list-style-type: none"> 1. StartUp Concept, Innovation, Innovative Culture and Attitude Support 2. The process, methods and stages of development of StartUp Digital 3. Most Valueable Product concept, prototype, user and market validation 4. Resource management: human, machine, material, money and time 5. StartUp Live: Early stage, deadly valley, growth, mature, exit 																																				
<p>Study and examination requirements and examination forms</p>	<p>The evaluation is done in 2 forms, namely:</p> <ol style="list-style-type: none"> 1. Trial, either midterm or semester test, 2. Two tasks, including individual or 3. Two group assignments to be completed within a certain timeframe, and <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>																																				
<p>Media employed</p>	<p>e-learning Platform (ELOK), LCD, blackboard, and websites.</p>																																				

Assessments and evaluation	<table border="1"> <thead> <tr> <th>Type</th> <th>Percentage</th> <th>CO1</th> <th>CO2</th> <th>CO3</th> <th>CO4</th> <th>CO5</th> </tr> </thead> <tbody> <tr> <td>Task 1</td> <td>5</td> <td>√</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Task 2</td> <td>5</td> <td>√</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Group Task 1</td> <td>10</td> <td></td> <td>√</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Group Task 2</td> <td>10</td> <td></td> <td>√</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Project Milestone 1</td> <td>20</td> <td></td> <td>√</td> <td>√</td> <td></td> <td></td> </tr> <tr> <td>Task 3</td> <td>5</td> <td>√</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Task 4</td> <td>5</td> <td>√</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Group Task 3</td> <td>10</td> <td></td> <td></td> <td>√</td> <td></td> <td></td> </tr> <tr> <td>Group Task 4</td> <td>10</td> <td></td> <td></td> <td>√</td> <td></td> <td></td> </tr> <tr> <td>Project Milestone 2</td> <td>20</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> </tr> </tbody> </table>							Type	Percentage	CO1	CO2	CO3	CO4	CO5	Task 1	5	√					Task 2	5	√					Group Task 1	10		√				Group Task 2	10		√				Project Milestone 1	20		√	√			Task 3	5	√					Task 4	5	√					Group Task 3	10			√			Group Task 4	10			√			Project Milestone 2	20				√	√	Total	100					
	Type	Percentage	CO1	CO2	CO3	CO4	CO5																																																																																				
	Task 1	5	√																																																																																								
	Task 2	5	√																																																																																								
	Group Task 1	10		√																																																																																							
	Group Task 2	10		√																																																																																							
	Project Milestone 1	20		√	√																																																																																						
	Task 3	5	√																																																																																								
	Task 4	5	√																																																																																								
	Group Task 3	10			√																																																																																						
	Group Task 4	10			√																																																																																						
	Project Milestone 2	20				√	√																																																																																				
	Total	100																																																																																									
	Reading list	<ol style="list-style-type: none"> W1: Aulet, B., Disciplined Entrepreneurship, John Wiley & Sons, Inc., Hoboken, New Jersey, 2013 W2: Quinn, M.J., Ethics for the Information Age, Pearson, 2014. W3: Ries, E., The Lean Startup, Crown Publishing Group, 2011. A1: http://ocw.mit.edu/courses/sloan-school-of-management/15-390-new-enterprises-spring-2013/index.htm A2: http://ocw.mit.edu/courses/sloan-school-of-management/15-270-ethical-practice-professionalism-social-responsibility-and-the-purpose-of-the-corporation-spring-2010/readings/ 																																																																																									

Created date : July 20, 2022
Revision date : July 20, 2022