



Republic of Turkey
YILDIZ TECHNICAL UNIVERSITY
Department of Mechatronics Engineering
MKT 4111 Mechatronics System Design
PRELIMINARY PROJECT APPLICATION ASSESSMENT FORM

Term:	2026-2027 Fall	Student 1:	
Date:	 / / 202...	Student 2:	
Assessed by:	Course Coordination	Student 3:	
Project Title:		Student 4:	

#	Assessment Criterion and Description	Weight	Score			
			Student 1	Student 2	Student 3	Student 4
1	Project Definition and Scope: -Clarity of the project title, abstract and keywords. -Clear articulation of the problem and the objectives.	30				
2	Technical Content and Originality: -Potential of the proposed mechanical, electronic, software and control components to form a mechatronic system. -Originality of the project and the suitability of its scope with respect to the course objectives.	40				
3	Project Planning -Level of detail and realism of the plan presented through the project planning tool. -Clarity of the task distribution and its balance among the team members.	30				
TOTAL		100				

* If a team member wishes to give the same score to all students, they may only score the Student 1 column.

GRADE / ASSESSMENT COMMENTS:

Course Coordination
(Title, Name Surname)

Signature:



Republic of Turkey

YILDIZ TECHNICAL UNIVERSITY

Department of Mechatronics Engineering

MKT 4111 Mechatronics System Design

VIDEO PRELIMINARY PRESENTATION ASSESSMENT FORM

Term:	2026-2027 Fall	Student 1:	
Date:	 / / 202...	Student 2:	
Assessed by:	Jury Member	Student 3:	
Project Title:		Student 4:	

#	Assessment Criterion and Description	Weight	Score			
			Student 1	Student 2	Student 3	Student 4
1	Definition of a contemporary mechatronics project	5				
2	Project definition, motivation, objectives and scope	10				
3	Detailed literature review and research on similar products/projects/solutions and on stakeholder expectations (needs)	20				
4	Technical requirements	15				
5	Functional structure of the proposed system	15				
6	Targeted project outputs	15				
7	Project work-time plan and task distribution	10				
8	Demonstration of professional presentation skills	10				
TOTAL		100				

* If a team member wishes to give the same score to all students, they may only score the Student 1 column.

GRADE / ASSESSMENT COMMENTS:

Jury Member (Title, Name Surname)
Signature:



Republic of Turkey
YILDIZ TECHNICAL UNIVERSITY
Department of Mechatronics Engineering
MKT 4111 Mechatronics System Design
PRELIMINARY REPORT ASSESSMENT FORM

Term:	2026-2027 Fall	Student 1:	
Date:	 / / 202...	Student 2:	
Assessed by:	Supervising Faculty Member	Student 3:	
Project Title:		Student 4:	

#	Assessment Criterion and Description	Weight	Score			
			Student 1	Student 2	Student 3	Student 4
1	Project Definition and Value •Scope and clarity of the abstract. •Understandability of the project purpose and of the concrete objectives. •Explanation of the innovative aspect of the project, its	30				
2	Method •Suitability and elaboration of the analytical/experimental methods chosen to reach the objectives. •Support of the method by references in the literature.	35				
3	Project Management •Realism of the timeline, its level of detail and its inclusion of measurable success criteria. •Correct identification of potential risks and	15				
4	Industry-Oriented Outputs and Widespread Impact •Discussion of the potential industrial applications of the project outputs, their economic value and their commercialization potential.	15				
5	General Report Format and Writing Quality •Full compliance of the report with the specified template. •Use of academic language and compliance with the	5				
TOTAL		100				

* If a team member wishes to give the same score to all students, they may only score the Student 1 column.

GRADE / ASSESSMENT COMMENTS:

Supervising Faculty Member

(Title, Name Surname)

Signature:



Republic of Turkey
YILDIZ TECHNICAL UNIVERSITY
Department of Mechatronics Engineering
MKT 4111 Mechatronics System Design
INTERIM REPORT ASSESSMENT FORM

Term:	2026-2027 Fall	Student 1:	
Date:	 / / 202...	Student 2:	
Assessed by:	Supervising Faculty Member	Student 3:	
Project Title:		Student 4:	

#	Assessment Criterion and Description	Weight	Score			
			Student 1	Student 2	Student 3	Student 4
1	Introduction and Project Summary: Clear and comprehensible presentation of the project title, objectives and general description.	15				
2	Needs Analysis: Detailed summary of the problem addressed by the project, the existing difficulties, the stakeholders and the needs arising from these analyses.	20				
3	System Requirements: Successful translation of the identified needs into measurable and verifiable technical system requirements.	15				
4	System Design: Detailed design of the mechanical, electronic, algorithm and control subsystems that satisfy the identified requirements, in accordance with engineering principles.	50				
TOTAL		100				

* If a team member wishes to give the same score to all students, they may only score the Student 1 column.

GRADE / ASSESSMENT COMMENTS:

Supervising Faculty Member
(Title, Name Surname)

Signature:



Republic of Turkey
YILDIZ TECHNICAL UNIVERSITY
Department of Mechatronics Engineering
MKT 4111 Mechatronics System Design
FINAL REPORT ASSESSMENT FORM

Term:	2026-2027 Fall	Student 1:				
Date:	 / / 202...	Student 2:				
Assessed by:	Supervising Faculty Member	Student 3:				
Project Title:		Student 4:				
#	Assessment Criterion and Description	Weight	Score			
			Student 1	Student 2	Student 3	Student 4
1	Introduction and Project Summary: Clear and comprehensible presentation of the project title, objectives and general description.	5				
2	Needs Analysis: Detailed summary of the problem addressed by the project, the existing difficulties, the stakeholders and the needs arising from these analyses.	5				
3	System Requirements: Successful translation of the identified needs into measurable and verifiable technical system requirements.	10				
4	System Design: Detailed design of the mechanical, electronic, algorithm and control subsystems that satisfy the identified requirements, in accordance with engineering principles.	30				
5	Analysis and Simulation: Presentation of the analysis and simulation studies carried out using modern engineering tools in order to verify the performance of the designed system.	20				
6	Optimization and Safety Precautions: Integration into the design of the optimization studies aimed at improving the system performance and of the measures that ensure user/system safety.	10				
7	Test and Verification Plan: Detailed planning of the tests to be carried out, of the measurement methods and of the simulation-based verification steps in order to prove that the system meets its requirements.	15				
8	Conclusion: Summary of the key technical features of the achieved final design, interpretation of the design preferences with their justifications and identification of future improvements	5				
TOTAL		100				

* If a team member wishes to give the same score to all students, they may only score the Student 1 column.

GRADE / ASSESSMENT COMMENTS:

Supervising Faculty Member

(Title, Name Surname)

Signature:



Republic of Turkey
YILDIZ TECHNICAL UNIVERSITY
Department of Mechatronics Engineering
MKT 4111 Mechatronics System Design
FINAL PRESENTATION ASSESSMENT FORM

Term:	2026-2027 Fall	Student 1:	
Date:	 / / 202...	Student 2:	
Assessed by:	Jury Member	Student 3:	
Project Title:		Student 4:	

#	Assessment Criteria and Sub-Criterion Distribution of the Project Components							Weight	Score			
1	1. Presentation Skills: Ability to express the presentation content verbally and appropriateness of the answers given to the questions							15				
2	2. Targeted and Achieved Outputs							10				
3	3.1 Mechanical	Concept Design	Sizing	Mechanical Analysis	Material Selection	System Simulation and Safety Precautions	Originality, innovation and pioneering approaches	30*				
	3.2 Electronics	Component Selection	Schematic Design	Simulation	Electronic Board Design	System Simulation and Safety Precautions	Originality, innovation and pioneering approaches	30*				
	3.3 Software	Flowchart	Pseudocode	Code Structure (Selection of libraries and data)	Determination of the performance criteria	System Simulation and Safety Precautions	Originality, innovation and pioneering approaches	30*				
	3.4 Control	Modeling	Controller Selection	Simulation	Controller Optimization	System Simulation and Safety Precautions	Originality, innovation and pioneering approaches	30*				
	Total Project Components							75**				
TOTAL							100					

* Indicates the maximum score that can be obtained from the specified assessment criterion; the sum of the sub-criteria listed below exceeds this maximum score.

** Indicates the maximum score that can be obtained from the total of the project components.

GRADE / ASSESSMENT COMMENTS:

Jury Member
(Title, Name Surname)

Signature:



Republic of Turkey
YILDIZ TECHNICAL UNIVERSITY
Department of Mechatronics Engineering
MKT 4111 Mechatronics System Design
MAKE-UP PRESENTATION ASSESSMENT FORM

Term:	2026-2027 Fall	Student 1:	
Date:	 / / 202...	Student 2:	
Assessed by:	Jury Member	Student 3:	
Project Title:		Student 4:	

#	Assessment Criteria and Sub-Criterion Distribution of the Project Components							Weight	Score			
1	1. Presentation Skills: Ability to express the presentation content verbally and appropriateness of the answers given to the questions							15				
2	2. Targeted and Achieved Outputs							10				
3	3.1 Mechanical	Concept Design	Sizing	Mechanical Analysis	Material Selection	System Simulation and Safety Precautions	Originality, innovation and pioneering approaches	30*				
	3.2 Electronics	Component Selection	Schematic Design	Simulation	Electronic Board Design	System Simulation and Safety Precautions	Originality, innovation and pioneering approaches	30*				
	3.3 Software	Flowchart	Pseudocode	Code Structure (Selection of libraries and data)	Determination of the performance criteria	System Simulation and Safety Precautions	Originality, innovation and pioneering approaches	30*				
	3.4 Control	Modeling	Controller Selection	Simulation	Controller Optimization	System Simulation and Safety Precautions	Originality, innovation and pioneering approaches	30*				
	Total Project Components							75**				
TOTAL							100					

* Indicates the maximum score that can be obtained from the specified assessment criterion; the sum of the sub-criteria listed below exceeds this maximum score.

** Indicates the maximum score that can be obtained from the total of the project components.

GRADE / ASSESSMENT COMMENTS:

Jury Member
(Title, Name Surname)

Signature:



Republic of Turkey

YILDIZ TECHNICAL UNIVERSITY

Department of Mechatronics Engineering

MKT 4111 Mechatronics System Design

FINAL REPORT FORMAT COMPLIANCE ASSESSMENT FORM

Term:	2026-2027 Fall	Student 1:	
Date:	 / / 202...	Student 2:	
Assessed by:	Course Assistant	Student 3:	
Project Title:		Student 4:	

#	Assessment Criterion and Description	Weight	Score			
			Student 1	Student 2	Student 3	Student 4
1	References and heading selections, use of the template format	25				
2	Format compliance of the report front matter (cover, table of contents, abstract, list of figures, etc.)	25				
3	Format compliance of the figure, equation and table captions	25				
4	Format compliance of the page layout and the fonts	25				
TOTAL		100				

GRADE / ASSESSMENT COMMENTS:

Course Assistant

(Title, Name Surname)

Signature: