

**DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING**

PROJECT TITLE

STUDENT NAME, SURNAME AND NUMBER

ADVISOR NAME SURNAME

DATE: XX/XX/XXXX

**EE491 / EE492 PROJECT MIDTERM REPORT**

1. **PROJECT STATEMENT**

The general description and the aim of the project should be clarified in this section. The method which is employed in the project should be explained. Challenging and interesting parts of the study can be written here. Expected outcomes should be given.

1. This section **must** include information about **standards** that will be considered in the project based on the Section 4 in EK3.
2. This section **must** include information about **realistic** design constraints that will be used in the project.

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| --- |
| *The list of some realistic design constraints:*  ***Economy:***   * *Budget limitations* * *Cost of similar or related products, if any, on the market.* * *Maintenance cost*   ***Environment:***   * *Power consumption* * *Electromagnetic radiation issues* * *Environment friendly power sources* * *Noise pollution*   ***Society:***   * *Assisted living for the disabled and elderly* * *Information security, privacy* * *Social networking and communication*   ***Politics:***   * *Designs that promote gender and race equality* * *Products that help national security* * *Designs that help solve common international and national problems*   ***Ethics:***   * *Designs that do not violate safety and health issues.* * *Designs that respect patents and intellectual rights.* * *Privacy issues.* * *Honesty, truthfulness, and openness in the design and the report.*   ***Health and Safety:***   * *Public safety* * *Safety of the consumers of the product.* * *Safety of workers.*   ***Manufacturability:***   * *Designs that suit to current manufacturing technology.* * *Designs that can be physically implemented.*   ***Sustainability:***   * *Reliability and durability of the design (water-proof, dust-proof, etc.)* * *Designs that support future upgrades*   *Designs that are resilient to a range of environmental conditions.* |

1. **CURRENT STATUS**

Studies which is completed so far and ongoing at the time of reporting should be pointed out in here.

1. **PLANNED PROJECT TASKS**

In this section the work which is expected to be done until the end of the project study should be written.

*Also, you* **must** *provide the work plan\* by filling out the table below with itemized project activities and mark their duration on the timeline to the right by shading the corresponding weeks. Add rows as needed.*

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Project work items** | **Weeks** | | | | | | | | | | | |
| **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** | **11** | **12** | **13** | **14** |
| ... (Specific Aim 1) |  |  |  |  |  |  |  |  |  |  |  |  |
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\*As of 25 April 2025, we are in the 9th week. Also, fill out the tasks that have been accomplished in the past weeks.

**REFERENCES**

**[1]** Einstein, A., Podolsky, B., & Rosen, N. (1935). Can quantum-mechanical description of physical reality be considered complete?. *Physical review*, *47*(10), 777.

**[2]** Cover, T. M., & Thomas, J. A. (2012). *Elements of information theory*. John Wiley & Sons.

**[3]** Grossglauser, M., & Tse, D. (2001). Mobility increases the capacity of ad-hoc wireless networks. In INFOCOM 2001. *Twentieth Annual Joint Conference of the IEEE Computer and Communications Societies*. Proceedings. (Vol. 3, pp. 1360-1369).