Assignment Form

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| Overview | | | |
| **M**obile **H**ardware **S**ampler | |  | |
| Project Start Date | 21/03/22 | Project End Date | 31/08/22 |
| Project Description | | Developing a mobile sampler device, based on Teensy 4.0 | |
| Project Goals | | * Read samples from SD Card to RAM * Working Midi In/Out/Host * Sample managing through display menu * Sample selection with rotary encoder * Implementation of digital filters/effects * Optional trigger samples with fsr (forced density resistor) pads * Master out volume control * External Line in/out + microphone in * Possibility to record mini notes * 2-8 tone polyphony | |

# Project Participants

|  |  |  |
| --- | --- | --- |
| Stakeholder | | |
| Role | Name | Area |
| Principal | Ulrich Reiter | PAM |
|  | Nadine Wiehlpütz | PAM |
| Team | | |
| Role | Name | Area |
| Team Leader | Dennis Oberst | PAM |
| Team Members | Lucas Haupt | PAM |
| Alexander Kostenko | PAM |
| David Mertens | PAM |
| Lena Wilbertz | PAM |

# Project Budget

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| --- | --- |
| Personal Budget (in Hours) | Material Budget (in Euro) |
| 5x 180h 🡪 900h | 6x ca.100€ 🡪 ca 600€ |

# Dates & Milestones

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| --- | --- |
| Submissions | |
| Title | Due |
| Project Definition | 28/03/22 |
| Project Planning | 31/03/22 |
| Project Process | 22/04/22 |
| Milestone Presentation | 03/06/22 |
| Project Presentation | 31/08/22 |
| Poster Session | 30/09/22 |
| Milestones | |
| Title | Due |
| Research & decisions on technical aspects🡪 ordering technical materials | KW 12 |
| Stage one finished | KW 20 |
| Stage two finished | KW 28 |
| Stage three finished | KW 32 |
| Tested Final Product | KW 35 |

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