# FPGATORS GBM #1 SPRING 2026

# AGENDA

- MANDATORY GOOGLE FORM!!
- Introduction
- Incoming Projects
- Incoming Workshops

# PROJECTS
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# GITHUB CLASSROOM SHORT TERM PROJECTS

We created 2 projects as of right now catered to people who are just getting into FPGAs (for beginners)

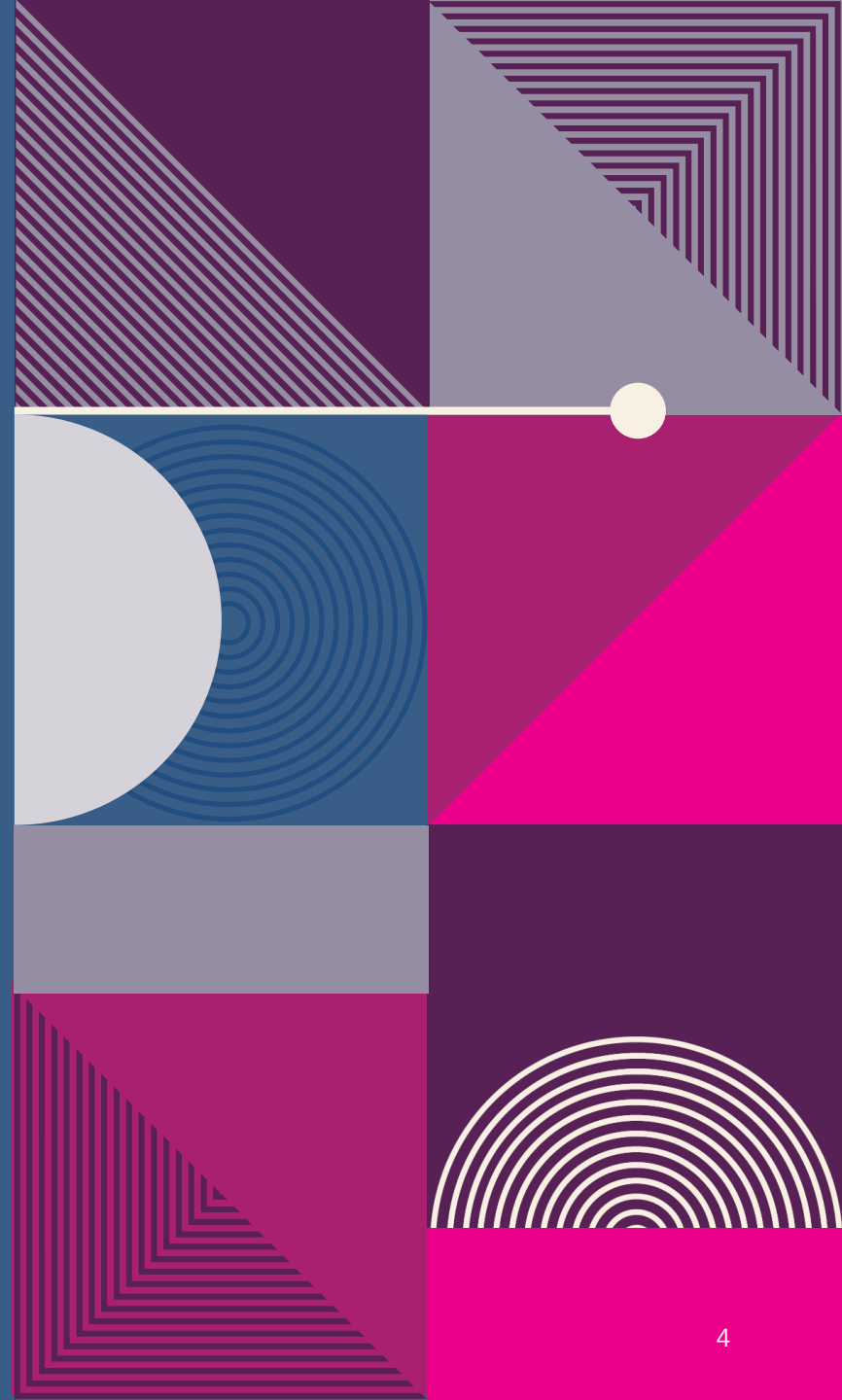
-ALU (Arithmetic Logic Unit)

-PRNG (Pseudo-Random Number Generator)

-More to come!

Both projects are live in the FPGAtors Github Classroom! If you want to do these individual projects, make sure to fill out the google form with your Github username.

Note: These are individual projects.



# LONG AHH PROJECTS

We also wanted to cater to the people who are already well versed in Digital Design, so we are pitching multiple long-term projects to garner your interest. If you are interested in any of these projects, make sure to FILL OUT GOOGLE FORM!

- Robot Arm (Digital Signal Processing Project)
- Adaptive Keyboard (FPGA Application)
- Doom on DE10-Lite (It is written)
- Hardware Cache (Computer Architecture)
- Memory Interconnect (AXI Protocols)

# NEW WORKSHOPS!!

# POSSIBLE WORKSHOPS FOR THE SEMESTER

Now that we've covered VHDL and SystemVerilog Basics, we have many workshops from this list that we plan to host. If you have any more ideas for other workshops, you know where to go. The most requested ones will be held, so make sure to LET US KNOW IN THE FORM LOL

- Basic Testbenches
- Advanced Testbenches
- Pipelining
- Clock Domain Crossing

# GO FPGATORS!
# DISCORD!

Join the Discord for any questions, comments, or memes from anything we've talked about today! BECOME A SPINJITSU MASTER!