IDAHO PROCESS for PROJECT EXECUTION

Follow professional ethics and professional practices
Learn with meaning & grow professional performances
Assess ongoing results & performances
Document using logbook & project binder
Write proposal
Write final report
Develop road map
Follow road map
Prototype with Math & Experiments
Math Exps
Research information
Set up team
Grow the team
Perform

PROJECT SCOPING (phase 0)
PROJECT DEFINITION (phase 1)
CONCEPTUAL DESIGN (phase 2)
SYSTEM INTEGRATION (phase 3)
DETAIL DESIGN (phase 4)
FABRICATION (phase 5)
VALIDATION (phase 6)
DELIVERY

Establish project feasibility
Make a team contract
Interview client/customers
Set up communication system
Find needs & constraints
Establish target specifications
Search knowledge base
Generate alternatives
Establish functions & design parameters
Prototype with math models & experiments
Evaluate & select among alternatives

Develop system design
Establish reliability (DFMEA)
Finalize project goal state
Finalize road map
Finalize proposal
Order parts
Assess drawing package
Complete drawing package
Build product
Debug & fix product
Validate performance of product
Draft final project report

Archive project documentation
Deliver product & other deliverables
Celebrate!

= Evaluation Checkpoint (go or no-go point)
= Assessment Checkpoint (feedback point)